CONSTRUCTION NEWS

Engineering News-Record, Feb. 4, 1926

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received and contracts awarded, are the following big jobs:

Proposed Work

Highway, Tennessee, State Dept. Highway & Pub. Wks. plans to expend $15,000,000 for roads and bridges.

Club, Chicago, Ill., Midland Club having plans prepared, $5,000,000.

Gas Pipe Line, Texas, Mid-Continent Oil & Gas Co. making plans, $4,600,000.

Reservoir, Cleveland, O., city plans 80 m.g. reservoir, $3,500,000.

Apartment, Miami, Fla., Davenport & Rich Investment Co. had plans prepared, $3,000,000.

Power plant, Bellows Falls, Vt., New England Power Co. having preliminary plans, $3,000,000.

Pipe line, Texas, Magnolia Petroleum Co. making plans for 350 mi. 8 in. pipe line, $3,000,000.

Sewer system, Seattle, Wash., plans bond election for sewers, $2,125,000.

Box and paper mill, Glendale, N. Y., Pequot Mfg. Co. plans 8 steel buildings, $2,000,000.

Office and Warehouse, Somerville, Mass., First National Store, Inc., having preliminary plans prepared, $2,000,000.

Cement plant, Cleveland, O., Universal Portland Cement Co. plans cement plant, $2,000,000.

Theatre and office, Detroit, Mich., W. Fox Film Corp. having plans prepared, $2,000,000.

Coliseum, Peoria, Ill., city plans bond election, $2,000,000.

Viaduct, Baltimore, Md., Baltimore & Ohio R.R. making plans for viaduct, $1,500,000.

Bids Wanted On Big Jobs

Bank and office, Washington, D. C., Coolidge, Shepley, Bulfinch & Abbott, archts., taking bids, $2,000,000.

Hospital, Newark N. J., Beth Israel Hospital soon takes bids, $2,000,000.

Apartment, Chicago, Ill., Hooper & Janusch, archts., Feb. 15, $1,750,000.

Large Contracts Let During Week

Office, New York, N. Y., Bricken Constr. Corp. by separate contracts, $10,000,000.

Subway, New York, N. Y., Bd. Transportation to Heyman & Goodman, Co., Inc., $6,641,678.

Office, San Francisco, Calif., Hunter, Dulin & Co. to Lindgren-Swinerton, Inc., $3,000,000.

Office and loft, Brooklyn, N. Y., Bush Terminal Co. to Turner Constr. Co., $2,000,000.

Plant, Chester, Pa., Ford Motor Co., to Rust Eng. Co., $2,000,000.

Apartment, Philadelphia, Pa., Parkway Apartment Corp. to B. Bornstein, $1,750,000.

Office, Philadelphia, Pa., Fidelity Mutual Life Ins. Co. to Turner Constr. Co., $1,500,000.

PROPOSALS

For Proposals Advertised
see pages 155-159
Advertising Section

Bids Close		See Eng. News-Record
WATERWORKS		
Feb. 5	Wayland, Mass.	Jan. 28
Feb. 5	Cleveland, O.	Feb. 4
Feb. 8	Springfield, Mass.	Jan. 21
Feb. 8	Mansfield, La.	Feb. 4
Feb. 9	Tallahassee, Fla. Adv. Jan. 21 to Feb. 4.	Jan. 21
Feb. 9	Moss Point, Miss.	Jan. 28
Feb. 9	Ft. Collins, Col.	Feb. 4
Feb. 9	St. Paul, Minn.	Feb. 4
Feb. 9	Milwaukee, Wis.	Feb. 4
Feb. 10	Anderson, Ind.	Jan. 21
Feb. 10	Chicago, Ill.	Feb. 4
Feb. 10	Kenosha, Wis.	Feb. 4
Feb. 10	Milwaukee, Wis.	Feb. 4
Feb. 11	Salisbury, Md. Adv. Jan. 21 to Feb. 4.	Jan. 21
Feb. 11	Port Arthur, Tex.	Jan. 21
Feb. 11	Milwaukee, Wis.	Feb. 4
Feb. 11	Cleveland, O.	Feb. 4
Feb. 12	Mount Shasta (mail Weed), Calif.	Jan. 28
Feb. 12	Wauwatosa, Wis.	Feb. 4
Feb. 15	Ohiowa, Neb.	Jan. 28
Feb. 15	Wanamingo, Minn.	Feb. 4
Feb. 16	Knoxville, Tenn.	Jan. 21
Feb. 16	St. Louis, Mo.	Jan. 21
Feb. 18	Lock Haven, Pa.	Jan. 28
Feb. 24	Willard, N. Y.	Jan. 21
Feb. 25	Potsdam, N. Y. Adv. Jan. 28 and Feb. 4.	Feb. 4
Mar. 1	Wenatchee, Wash.	Feb. 4
Mar. 3	Greenville, Tex. Adv. Feb. 4.	Feb. 4
SEWERS		
Feb. 8	Quakertown, Pa.	Jan. 21
Feb. 8	Spring Lake, N. J.	Jan. 28
Feb. 9	Toledo, O.	Jan. 21
Feb. 9	St. George, N. Y.	Feb. 4
Feb. 9	Green Bay, Wis.	Feb. 4
Feb. 10	Cleveland, O.	Feb. 4
Feb. 11	Chicago, Ill.	Feb. 4
Feb. 11	Port Arthur, Tex.	Feb. 4
Feb. 12	Wauwatosa, Wis.	Feb. 4
Feb. 13	Milwaukee, Wis.	Feb. 4
Feb. 16	St. Louis, Mo.	Jan. 28
Feb. 16	Charlotte, N. C. Adv. Feb. 4.	Feb. 4
Feb. 17	Grand Rapids, Mich. Adv. Jan. 28 and Feb. 4.	Jan. 28
Feb. 26	Louisville, Ky. Adv. Feb. 4.	Feb. 4
Mar. 1	Clayton, Mo.	Jan. 28
Mar. 2	Jacksonville Beach, Fla. Adv. Feb. 4.	Feb. 4
Mar. 10	Waco, Tex.	Jan. 7
Mar. 15	Waco, Tex.	Jan. 21
BRIDGES		
Feb. 8	Pennsylvania	Jan. 21
Feb. 8	North Carolina	Feb. 4
Feb. 10	Alabama	Jan. 21
Feb. 10	Phila., Pa.	Feb. 4
Feb. 15	London, Ont.	Jan. 28
Feb. 15	Oakland, Calif.	Feb. 4
Feb. 16	Louisiana	Jan. 21
Feb. 16	Washington	Jan. 28
Feb. 16	Indiana	Feb. 4
Feb. 17	Michigan	Feb. 4
Feb. 19	Dayton, O	Feb. 4
Mar. 1	Key West, Fla. Adv. Jan. 21 to Feb. 4.	Jan. 21
DAMS		
Feb. 16	Concord, N. C.	Feb. 4
Mar. 15	Los Angeles, Calif. Adv. Jan. 28 and Feb. 4.	Jan. 28
Mar. 23	Wellington, New Zealand	Jan. 21
EXCAVATION, DRAINAGE IRRIGATION, LEVEES RIVER AND HARBOR		
Feb. 8	Allenhurst, N. J.	Jan. 14
Feb. 10	Stuart, Fla. Adv. Jan. 14 to Feb. 4.	Jan. 14
Feb. 10	Oskaloosa, Ia.	Jan. 28
Feb. 10	Fort Pierce, Fla. Adv. Feb. 4.	Feb. 4
Feb. 10	Cleveland, O.	Feb. 4
Feb. 18	Mobile, Ala.	Jan. 21
Feb. 18	Los Angeles, Calif.	Jan. 28
Feb. 18	St. Augustine, Fla. Adv. Jan. 28 and Feb. 4.	Jan. 28
STREETS AND ROADS		
Feb. 5	Pennsylvania	Dec. 31
Feb. 6	Pennsylvania	Dec. 31
Feb. 8	Kentucky	Jan. 7
Feb. 8	Mobile, Ala.	Jan. 21
Feb. 8	Akron, O.	Jan. 28
Feb. 8	Hamilton, Mo.	Jan. 28
Feb. 8	North Carolina	Jan. 28
Feb. 8	Plymouth, Ind.	Feb. 4
Feb. 8	Auburn, Ind.	Feb. 4
Feb. 8	Decatur, Ind.	Feb. 4
Feb. 8	Terre Haute, Ind.	Feb. 4
Feb. 8	Naperville, Ill.	Feb. 4
Feb. 9	Minnesota	Jan. 21
Feb. 9	Louisiana	Jan. 21
Feb. 9	Minnesota	Jan. 14
Feb. 9	Clarksburg, W. Va.	Jan. 28
Feb. 9	Battle Creek, Ia.	Jan. 28
Feb. 9	Wendell, N. C.	Feb. 4
Feb. 9	Omaha, Neb.	Feb. 4
Feb. 9	San Angelo, Tex.	Feb. 4
Feb. 10	Belvidere, N. J. Adv. Jan. 21 to Feb. 4.	Jan. 21
Feb. 10	Alabama	Jan. 21
Feb. 10	Florida	Jan. 28
Feb. 10	Santa Rosa, Calif.	Jan. 28
Feb. 10	Wilson, N. C. Adv. Feb. 4.	Feb. 4
Feb. 10	La Crosse, Wis.	Feb. 4
Feb. 11	Magnolia, Miss.	Jan. 28
Feb. 11	Siloam Springs, Ark.	Jan. 28
Feb. 11	Duluth, Minn.	Feb. 4
Feb. 15	Anderson, Ind.	Jan. 21
Feb. 15	New Jersey Adv. Jan. 28 and Feb. 4.	Jan. 28
Feb. 15	Birmingham, Ala.	Feb. 4
Feb. 15	Groesbeck, Tex.	Feb. 4
Feb. 15	San Diego, Calif.	Feb. 4
Feb. 16	St. Louis, Mo.	Jan. 21
Feb. 16	Washington	Jan. 28
Feb. 16	Rushville, Ind.	Jan. 28
Feb. 16	Virginia	Feb. 4
Feb. 16	Charlotte, N. C.	Feb. 4
Feb. 16	South Carolina	Feb. 4
Feb. 15	Charleston, W. Va.	Feb. 4
Feb. 16	Milton, W. Va.	Feb. 4
Feb. 18	Conway, S. C. Adv. Feb. 4.	Feb. 4
Feb. 18	Louisiana	Feb. 4
Feb. 19	Pennsylvania	Jan. 14
Feb. 19	Dunn, N. C.	Feb. 4
Feb. 19	Hartford City, Ind.	Feb. 4
Feb. 20	Pennsylvania	Jan. 14
Feb. 22	Ontario	Jan. 28
Feb. 22	Georgetown, Tex.	Feb. 4
Feb. 23	McPherson, Kan.	Jan. 28
Feb. 23	Louisiana	Jan. 28
Feb. 23	Peekskill, N. Y. Adv. Feb. 4.	Feb. 4
Feb. 23	Louisiana	Feb. 4
Feb. 24	Nebraska	Feb. 4
Feb. 25	Kenosha, Wis.	Jan. 14
Feb. 25	Nebraska	Feb. 4
Feb. 26	Kittanning, Pa. Adv. Jan. 28 to Feb. 4.	Jan. 28
Feb. 26	Nebraska	Feb. 4
Feb. 28	Indiana	Feb. 4
Mar. 2	Pennsylvania Adv. Feb. 4.	Feb. 4
Mar. 2	Louisiana	Feb. 4
Mar. 2	Chilton, Wis. Adv. Feb. 4.	Jan. 28

See proposal advertisements on page 155, Advertising Section.

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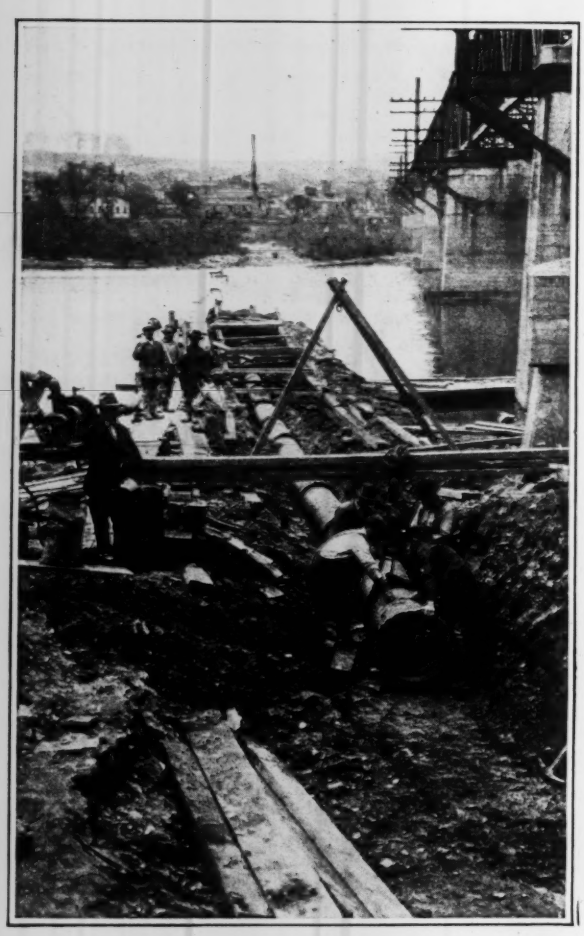
Registered U. S. Pat. Office



Laying 20-in. c.i. bell and spigot water main across Schuylkill River with LEADITE joints.

Speed— Pipe Laying

Thousands of miles of cast iron water mains have been laid with LEADITE by large cities, towns, villages, railroads, mines, and industrial plants.

These pipe lines are laid under paved streets, under and over bridges, under railroad tracks, across streams, thru open country, in filter galleries—high and low pressures—under all conditions of water works construction.

This is the way some LEADITE users lay pipe:

1710 ft. 6 in. pipe laid in one day.
1665 ft. 6 in. pipe laid in 7½ hrs. with 6 men.
91 lengths 20 in. pipe laid in one day.
15 to 19 lengths 48 in. pipe laid in one day—laid one length in 7 minutes.
3860 ft. 6 in. and 8 in. pipe laid in 9 hrs. with 2 gangs.

You can do this.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%.

LEADITE is the pioneer Self-Caulking material for c.i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids Close		See Eng. News-Record

BUILDINGS—INDUSTRIAL

Feb.	5	Newark, N. J.	Feb. 4
Feb.	6	Chicago, Ill.	Feb. 4
Feb.	16	Iowa City, Ia.	Feb. 4
Feb.	18	Gallipolis, O.	Feb. 4
Mar.	1	Chicago, Ill.	Jan. 14

BUILDINGS—COMMERCIAL

Feb.	8	Trenton, N. J.	Jan. 21
Feb.	8	Omaha, Neb.	Jan. 28
Feb.	8	Fond du Lac, Wis.	Feb. 4
Feb.	8	Green Bay, Wis.	Feb. 4
Feb.	9	Phila., Pa.	Jan. 28
Feb.	13	Cleveland, O.	Jan. 28
Feb.	15	Regina, Sask.	Feb. 4
Feb.	15	Wash., D. C.	Jan. 21
Feb.	16	St. Louis, Mo.	Feb. 4
Feb.	17	Omaha, Neb.	Jan. 21
Feb.	20	New Orleans, La.	Feb. 4
Feb.	27	Bettendorf, Ia.	Jan. 7
Mar.	1	Duluth, Minn.	Feb. 4
Mar.	1	Williamsport, Pa.	Feb. 4
Mar.	1	Pensacola, Fla.	Jan. 21
Mar.	4	West Haverstraw, N. Y.	Jan. 14
Apr.	1	Moline, Ill.	Dec. 31
Apr.	1	Youngstown, O.	

BUILDINGS—EDUCATIONAL, RELIGIOUS

Feb.	5	Norwood, Mass.	Jan. 28
Feb.	5	Ardmore, Pa.	Feb. 4
Feb.	6	Jersey City, N. J.	Feb. 4
Feb.	9	Edina (Minneapolis, P. O.), Minn.	Feb. 4
Feb.	10	Los Angeles, Calif.	Feb. 4
Feb.	12	New Orleans, La.	Jan. 21
Feb.	13	Parma (Cleveland P. O.), O.	Feb. 4
Feb.	15	Johnstown, Pa.	Feb. 4
Feb.	16	Wellsville, N. Y.	Jan. 21
Feb.	18	Williamsport, Pa.	Feb. 4
Feb.	19	Raymond, Miss.	Feb. 4
Feb.	19	Wash., D. C.	Feb. 4
Feb.	19	Paulsboro, N. J.	Feb. 4
Feb.	22	Ferndale (br. Detroit), Mich.	Jan. 21
Feb.	23	Beloit, Wis.	Jan. 28
Feb.	23	Marshfield, Wis.	Feb. 4
Feb.	24	Williamsport, Pa.	Jan. 7
Feb.	27	Duluth, Minn.	Dec. 17
Mar.	1	Newberry, Mich.	Jan. 28
Mar.	3	Baton Rouge, La.	Jan. 21
Mar.	15	Lewistown, Pa.	Jan. 21

FEDERAL GOVERNMENT WORK

Feb.	5	Cement—Wash., D. C.	Jan. 28
Feb.	6	Storehouse—Jacksonville, Fla. Adv. Jan. 14 to Feb. 4.	Jan. 14
Feb.	8	Beartrap Leaves—Louisville, Ky. Adv. Jan. 28 and Feb. 4.	Feb. 4
Feb.	10	Radio Tower—Eureka, Calif.	Jan. 14
Feb.	10	Additions — Cheyenne, Wyo.	Jan. 28
Feb.	10	Fuel Storage—Pensacola, Fla.	Jan. 28
Feb.	11	Metal Work—Louisville, Ky. Adv. Jan. 14 to Feb. 4.	Jan. 14
Feb.	15	Remodeling—Santa Rosa, Calif.	Jan. 28
Feb.	16	Hull—St. Louis, Mo. Adv. Jan. 21 to Feb. 4.	Jan. 21
Feb.	16	Refrigeration Plant—Hot Springs, S. D.	Jan. 28
Feb.	16	Post Office—Troy, N. Y.	Jan. 28
Feb.	18	Breakwater — Buffalo, N. Y.	Jan. 28
Feb.	19	Radial Gates—Idaho and Oregon	Jan. 14
Feb.	19	Mezzanine—Cincinnati, O.	Feb. 4
Feb.	23	Valves, etc.—Nebraska and Wyoming	Jan. 28
Feb.	23	Remodeling — Brownsville, Tex.	Jan. 28
Feb.	23	Remodeling—Evanston, Ill.	Feb. 4
Feb.	24	Administration—Pearl Harbor, T. H.	Jan. 7
Feb.	24	Water Meter, etc.—San Diego, Calif.	Jan. 28
Feb.	24	Pipe Masts—Panama, C. Z.	Feb. 4
Feb.	25	Remodeling—Hutchinson, Kan.	Feb. 4
Feb.	26	Dredging — New York, N. Y. Adv. Jan. 28 and Feb. 4.	Jan. 28
Mar.	1	Cruiser—Wash., D. C.	Dec. 31
Mar.	1	Elevator—Wash., D. C. Adv. Feb. 4.	Feb. 4
Mar.	2	Water Tanks—Palo Alto, Calif.	Feb. 4
Mar.	3	Hospital—Mare Island, Calif.	Jan. 21
Mar.	3	Compass Station—Cape Lookout (mail Beaufort), N. C.	Feb. 4
Mar.	9	Outlet Pipes—Oregon Adv. Feb. 4.	Feb. 4
Mar.	15	Breakwater—Hilo, T. H. Adv. Jan. 21 to Feb. 4.	Jan. 21

UNCLASSIFIED

Feb.	5	Subway—New York, N. Y.	Jan. 7
Feb.	9	Wharf — Lake Charles, La.	Jan. 21
Feb.	8	Gravel and Sand Washing Plant—Omra, Wis.	Feb. 4
Feb.	9	Banana Unloaders—New Orleans, La.	Feb. 4
Feb.	10	Foundation—Indianapolis, Ind.	Jan. 7
Feb.	16	Circuit Breakers—Auckland, New Zealand	Dec. 10
Feb.	24	Sanitary Work, etc.—Willard, N. Y. Adv. Jan. 21 to Feb. 4.	Feb. 4
Mar.	23	Panels, Filters, etc.—Wellington, N. Z.	Jan. 21

MATERIALS

Feb.	5	Iron Castings—New Haven, Conn.	Jan. 28
Feb.	9	Brick, Sewer Brick, Cement, etc.—St. Paul, Minn.	Feb. 4
Feb.	10	Road Oil—Watertown, Wis.	Feb. 4
Feb.	11	Pipe, etc. — Spokane, Wash.	Feb. 4
Feb.	11	Road Oil—Marshfield, Wis.	Feb. 4
Feb.	11	Paving Brick, etc.—Cleveland, O.	Feb. 4
Feb.	16	Granite Curb—Charlotte, N. C. Adv. Feb. 4.	Feb. 4
Feb.	23	Asphalt, etc.—Ontario.	Feb. 4

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., New Britain—Plans 7,800 ft. 12 in. mains in East St. $43,000. J. D. Williams, city engr.

Conn., New Britain — Bd. Water Comm. plans 420 ft. 16 in. main in Monroe St., 7,260 ft. 12 in. mains in Newington Ave., Ellis, East Main and Stanley Sts. $45,000. J. D. Williams, city engr.

Fla., Brookfield—Election Feb. 8, $78,000 bonds, waterworks. F. S. Parrigan, Brookfield, engr.

Ala., Huntsville — Plans reservoir on Cedar Hill. $250,000.

Ala., Opelika—Soon takes bids improving Spring Villa property for additional water supply, near here. $225,000 bonds sold. Noted Oct. 15.

O., Cleveland — City purchased site and plans during 1927, 80 m.g. reservoir on Wooster Pike near Snow Rd. $3,500,000. L. A. Quayle, City Hall, engr.

Mich., Detroit—Bd. Water Comrs., plans extending 1,280 ft. c.i. mains in Warren Ave., 1,285 ft. Patton Ave., 1,300 ft. Western Dr., 685 ft. Plymouth Rd. and 1,485 ft. Thatcher Ave., all foregoing 8 in.; 700 ft. 12 in. main in Livernois Ave.; 700 ft. Monica Ave., 2,650 ft. Minnock Ave., 700 ft. Stoepel Ave., 700 ft. Wark Ave., 1,275 ft. Pershing Ave., 2,580 ft. Tucker Ave., and 2,565 ft. Sierra Ave., all foregoing 6 in. G. H. Fenkell, 176 East Jefferson Ave., genl. mgr.

Ill., Decatur—Plans 2 mi. 6 in. c.i. mains, fire hydrants, valves, extension valve boxes, fittings, etc., in Lake Shore Dr., Dickinson Pl., Indana Court, Cantrell, 5th, 6th and 7th Sts., Roosevelt, Lincoln, Cleveland, Dickinson, Lakeview Aves., $20,000; also 12 in. main, etc., from Colfax and Marion Sts. to Hilton, Riverside and East Jasper Sts., $10,000. P. O'Brien, City Hall, engr.

Ill., Hillsboro — Election soon $35,000 bonds, filtration plant north of here. B. White, city comr.

Ill., Harvard—City Council plans to purchase new pump for waterworks. $2,000. H. Schultz, city engr.

Minn., Jeffers—Making plans complete waterworks. $20,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Minn., St. Paul—G. J. Ries, aud. Ramsey Co., rejected bids Jan. 18, well at Lake Gervais. Noted Jan. 7.

Kan., Laurence — Soon takes bids improving waterworks, incl. new intake and flow line. Kiersted & Stringfellow, 614 Interstate Bldg., Kansas City, Mo., engrs.

Kan., Toronto — Voted $40,000 bonds, waterworks. F. E. Devlin, Bitting Bldg., Wichita, engr.

Mo., Marshfield — Voted $55,000 bonds, waterworks and distribution system. Gantt-Baker Co., 1116 West Main St., Oklahoma City, Okla., engrs. Noted Nov. 26.

Ark., De Witt—City Comrs. made preliminary plans waterworks in new district being organized. $20,000. Engineer not selected.

Tex., Ft. Worth—Making plans extending watermains and sewers in North Ft. Worth, Arlington, Riverside. Work will probably be done by day labor. D. L. Lewis, city engr.

Tex., Rotan—Voted $175,000 bonds, complete waterworks. Engineer not announced.

Tex., San Antonio—San Antonio Water Supply Co., 306 Market St., making preliminary plans waterworks, incl. deep artesian well. Private plans.

Okla., Earlsboro — Making preliminary plans new waterworks. $25,000. W. G. Stone, mayor. Engineer not selected.

Wash., White Salmon — Making plans pumping and filter or gravity system from Buck creek. $80,000. F. Allen, 485 East 42nd St. N., Portland, Ore., engr.

Calif., Berkeley—Bd. Educ. plans 50,000 gal. r.w. tank; 2-stage centrifugal pump, one 3/5 hp. water tube boiler, one auxiliary vacuum pump, piping, burner, etc., for high school. $16,000.

Calif., La Mesa—La Mesa, Lemon Grove and Spring Valley Irrigation Dist. making plans distributing mains, incl. 22½ mi. 6- to 22-in. diam. riveted steel pipe, several auixiliary pumping plants and reservoirs, and approximately 2 mi. 42 in. riveted steel syphon. T. H. King, 920 8th St., San Diego, engr.

Calif., Ontario—Plans to purchase pump with capacity between 100 and 150 in. or more from 1,000 to 1,500 gal. water per min. O. S. Roen, city serv. mgr. Noted Dec. 24.

Calif., Ramona—Ramona Irrigation Dist. making plans 6½ mi. riveted steel pipe line, also pumping plants and reservoirs. To exceed $85,000. T. H. King, 920 8th St., San Diego, engr.

Calif., Shafter — Plans election $18,000 bonds, waterworks.

Que., Quebec — Election Feb. 5, $90,000 bonds extending waterworks and sewers in various streets. W. D. Baillarge, engr.

BIDS DESIRED

N. Y., Potsdam — Feb. 25, by Municipal Bd., C. E. Haywood, chn., 4 rein.-con. mechanical filters, 2 m.g. per day total capacity with clear well, two 200 hp. hydro-electric units joined to filter plant, etc. Bogart & Pohl, 30 Church St., New York City, engrs.; adv. E. N.-R. Feb. 4.

N. J., Bound Brook — See "Contracts Awarded."

N. C., Asheville—Feb. 4, by City Comrs., 7,700 tons, more or less, c.i. pipe, and 20 tons, more or less, c.i. specials, f.o.b. Swannanoa, also constructing 7,000 ft., more or less, temporary piers and 48,000 ft., more or less, 24 in. permanent pipe line. C. E. Waddel & Co., Jackson Bldg., engrs. Noted Sept. 24.

La., Mansfield—Feb. 9, by E. O. Huson, city clk., extending 3,920 ft. 6 in. and 175 ft. 8 in. c.i. mains, etc., in various streets. J. S. Ament, city engr.

O., Cleveland—Feb. 5, by H. Wright, dir. Public Utilities, structural steel superstructure 1 story, 65 x 110 ft. pumping station. Total $500,000. H. Kregelius, 604 City Hall, engr. Noted Dec. 24.

O., Cleveland—Feb. 5, by City, c.i. pipes, specials, fittings, valves and motor controls. $60,000.

O., Cleveland — Feb. 11, by City, disk water meters and lead pipe.

Ill., Chicago—Feb. 10, by City, Room 406, City Hall, 1,800,000 common, 350,000 standard glazed brick and 13,000 Bull Nosed glazed brick and 195,000 face brick for Western Ave. Pumping Station, 49th St. and Western Ave. A. A. Sprague, city comr.

Wis., Kenosha—Feb. 10, by C. M. Osborn, city clk., 900 each ⅝ in. and 6 each 2 in. corporation and curb cocks, sixty-two ¾-in., six 1.5 in. and six 2 in. unions, 20 tons each, ⅝ in. extra strong lead pipe and pig lead, one thousand to two thousand ⅝ in. meters and connections, etc. for Water Dept.

Wis., Wauwatosa—Feb. 12, by Bd. Pub. Wks., A. V. Brigham, secy., boring 1

See proposal advertisements on page 155, Advertising Section.

Strong Concrete in *3 Days*

Circumstances often make rush work essential.

An important bridge needs immediate repairs; an emergency in railroad construction demands attention without delay; a concrete foundation for machinery must be built and placed in use in the quickest possible time.

In hundreds of similar circumstances, time is vital—especially during winter months. You do not want to wait the number of days usually allowed for concrete to reach the desired strength. You do not need to. You can, with standard *Universal* cement, the same quality *Universal* you have always used, obtain quick-hardening, strong concrete in *3 days* by using simple methods that thousands of laboratory tests and actual construction experience prove will give you the desired results.

Detailed information on this time-saving concrete made with standard *Universal* cement gladly furnished on request to

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland New York

Concrete for Permanence

Waterworks (Continued)

artesian well 1,000 ft. to 1,700 ft. more or less in depth. To exceed $15,000. J. E. Lowther, City Hall, engr.

Minn., St. Paul—Feb. 9, by A. E. Eggert, city purch. agt., seventy-five 5 in. single steamer valves, compressor type fire hydrants, two thousand six hundred and forty 12 ft. lengths 6 in. c.i. pipe, 1,125 disc type cold water meters, one thousand six hundred each ¾ in. brass corporation curb stops, also 200 bbl. Portland cement, for Water Dept.

Minn., Wanamingo—Feb. 15, by W. E. Buell & Co., engrs., 205 Davidson Bldg., Sioux City, Ia., waterworks, incl. 4 and 6 in. mains, also tank and tower, here, for City. $20,000. Noted Nov. 26.

Tex., Greenville—Mar. 3, by City, 3 m.g. filtration or purification plant. M. C. Hale, city clk.; adv. E. N.-R. Feb. 4.

Tex., Port Arthur—Feb. 11, by J. O. Herpin, city engr., 11,400 ft. 18 in. Class "A" B. & S. c.i. pipe, two 18 in. joints, three 18 in. valves, etc., for waterworks.

Colo., Ft. Collins—Feb. 9, at office City Clerk, City Hall, mechanical filter plant containing 6 filter units, 3,716 cu.yd. excav., 1,548 cu.yd. plain and rein.-con. 170,148 lb. reinforcing, 4,357 ft. 20- to 36-in. pipe in place, etc., $219,753; 52,399 ft. 20 and 24 in. and 11,656 ft. 27 in. pipe, etc., $502,536; also laying 63,644 ft. 4- to 24 in. c.i. mains in distribution system, $42,799; one 7,500,000 gal. reservoir, 521 cu.yd. formed concrete, 1,708 ft. 3- to 24-in. c.i. pipe, etc., $72,842. F. R. Montgomery, comr. Safety and ex-office mayor.

Wash., Wenatchee — Mar. 1, by City Comn., 12 m.g. steel and concrete filtration plant. $225,00. Shibley & Bovard, Securities Bldg., Seattle, engrs. Noted Jan. 28.

BIDS RECEIVED

Minn., Minneapolis — F. S. Gram, city purch. agt., Jan. 18, from Feils Brass & Machine Wks., 2450 West 48th Pl., Chicago, Ill., hydrants at $72.50 each, valves $22.50 each for 6 in., $35.25 for 8 in., and $69.50 for 12 in. Noted Jan. 14.

CONTRACTS AWARDED

N. J., Bound Brook—Bound Brook Water Co., M. Bush, mgr., will build 150,000 gal. wash water tank enclosed in 2 story steel building, by day labor. $16,000. C. Potts, 30 Church St., New York City, engr.

O., Norwalk—For 36 x 72 ft. filtration plant and six 70 x 250 ft. rein.-con. tanks, to H. C. Felver & Co., 7016 Euclid Ave., Cleveland. Engrs. est. $130,000.

Minn., St. Paul—G. J. Ries, aud. Ramsey Co., constructing tubular well at Lake Josephine, to McCarthy Well Co., Wabash and Eustis Sts., $5,100. Noted Jan. 7.

Sewers

PROPOSED WORK

N. Y., Edgemere (mail Far Rockaway)—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Long Island City, soon takes bids sewer from Beach 19th to Beach 36th Sts., here. $480,000.

N. Y., Williamsville — Soon takes bids sewerage system. To exceed $75,000. W. F. Sheehan, 5488 Main St., engr.

N. J., Camden—Making plans (1st unit) sewage disposal plant. $1,000,000. W. D. Vosbury, Market St., engr. Noted May 21.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, rejected bids Jan. 20, sewer and pumping station for South Phila. Impvt. south of Packard Ave. and west of Broad St. G. H. Biles, dir. Noted Jan. 28.

S. C., Conway—See "Streets and Roads."

Fla., Brookfield—Election Feb. 8, $90,000 bonds, sanitary sewers in various streets. S. Parrigan, Brookfield, engr.

Ia., Audubon—Soon takes bids sewage disposal plant, Imhoff tanks and 12,000 ft. 18 in. outlet sewers in various streets. $60,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs. Noted Oct. 29.

Kan., Herington — See "Streets and Roads."

Mo., Kansas City—Making plans sanitary sewerage system along east side of Blue River. $275,000-$300,000. Black & Veatch, 700 Mutual Bldg., engrs.

Okla., Chickasha—Voted $40,000 bonds, extending storm sewers in various streets. R. O. Bradley, Chickasha, engr. Noted Dec. 24.

Okla., Marland—Town Council making preliminary plans disposal plant and 4 mi. outfall sewers in all streets. $25,000. Engineer not announced.

Okla., Prague—Made preliminary plans 6 mi. outfall sewerage system, and disposal plant. $35,000 bond election in spring. H. W. Hartman, mayor. Engineer not announced.

Okla., Tulsa—Soon takes bids sewers in Dist. 240, Braden Dist. $50,000. C. Schultz, City Hall, engr.

Wash., Seattle—Election Mar. 9, $2,125,000 bonds, intercepting sewerage system carrying all sewage now dumped into Lake Washington into Puget Sound. J. D. Blackwell, city engr. Noted Nov. 12.

Calif., Long Beach — Made plans new sewer pumping plant in east section to take care sewage in Alamitos Bay Dist. $25,000 available. R. D. Van Alstine, city engr.

Calif., Oakland—Made plans 5,086 lin.ft. 10- to 24-in. sewer, etc., in Webster St. between 12th and 20th Sts. W. W. Harmon, city engr.

Que., Quebec—See "Waterworks."

BIDS DESIRED

N. Y., St. George—Feb. 9, by J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewers in Hylan Blvd. (Southside Ave.), 6th St., Mill Rd., Guyon and Adelaide Aves., all in New Dorp, Oakwood and vicinity. Former bids recalled. Noted Jan. 21.

N. C., Charlotte—Feb. 16, by Bd. Comrs., City Hall, sewers in various streets. E. Read, city clk.; adv. E. N.-R. Feb. 4.

Fla., Jacksonville Beach—Mar. 2, by City Comn., sewerage system. G. B. Hills Co., Jacksonville, engrs.; adv. E. N.-R. Feb. 4.

Ky., Louisville — Feb. 26, by Comrs. of Sewerage, Bd. Trade Bldg., 3rd and Main Sts., constructing Grinstead Dr. Sewer, Contr. 25. J. B. F. Breed, ch. engr.; adv. E. N.-R. Feb. 4.

O., Cleveland—Feb. 10, by City, sewers in Kinkelaar Rd., Firsby and Mohican Aves., West 145th and 146th Sts. To exceed $25,000. R. Hoffman, City Hall, engr.

Ill., Chicago—Feb. 11, by H. E. Wallace, clk. Sanitary Dist. of Chicago, 910 South Michigan Ave., North Side Sewage Treatment Works, Div. T, 295 lin.ft. 11 ft. effluent conduit, partly in open cut and tunnel, also transition section and outfall structure, etc., at Niles Center. M. Eller, chn.

Wis., Green Bay—Feb. 9, by W. L. Kerr, city clk., sanitary sewers in Hubbard St. (1) laying 402 lin.ft. 42 in. Class "A" water or 410 lin.ft. 42 in. lock joint c.i. pipe; 84 ft. 42 in. Class "B" or 76 ft. 42 in. lock joint c.i. pipe, 1,626 ft. 42 in. rein.-con. pipe, etc.; (2) 636 ft. 36 in. rein.-con. or d.s. vitr. pipe, etc.; (3) 297 ft. 36 in. rein.-con. or d.s. vitr. pipe, etc.; (4) 344 ft. 30 in. rein.-con. or d.s. vitr. pipe, etc. To exceed $25,000. A. E. Kringel, City Hall, engr.

Wis., Milwaukee — Feb. 13, by J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., two 2,500 g.p.m. motor driven float controlled centrifugal pumps, for Mud Creek low level sewerage booster station, Villard Ave. Noted Jan. 21.

Wis., Milwaukee—Feb. 9, 10 and 11, by Dept. Pub. Wks., storm sewers in Sects. 4, 5 and 6 of 26th St. $125,000 each section.

Wis., Wauwatosa—Feb. 12, by Bd. Pub. Wks., A. V. Brigham, secy., storm sewers in East North Ave. between 8th and Spring Aves., 730 ft. 42 in., 750 ft. 36 in., 330 ft. 24 in. and 600 ft. 21 in. rein.-con. pipe. Former contract rescinded. J. E. Lowther, city engr. Noted Jan. 28.

Tex., Dallas—City, c/o Secretary, taking bids 993 ft. 30 in. 260 ft. 27 in., 115 ft. 21 in. and 120 ft. 18 in. concrete pipe, etc., for storm sewers in Oak Cliff. $25,000.

BIDS RECEIVED

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Jan. 27, from F. Berardi, 1913 Mifflin St., branch sewer in Beulah St. between Johnston and Bigler Sts. $5,676, L St. between Torresdale and Lycoming Sts. $21,108, 9th St. between Johnston and Bigler Sts. $5,971, and Smedley St. between 65th and 67th Aves. $6,511; from A. Di Sandro & Son, 3906 North 5th St., Boudinot St. between Roosevelt and Ashdale Sts., $10,771; from Leva Bros., 3851 North 10th St., Champlost Ave. between 9th and Marvine Sts., $20,562; from A. Mattia, 310 North 65th St., Folsom St. between 48th and 49th Sts., $4,102; from Higgins & Reilly, Real Estate Trust Bldg., 57th St. between Staddington and Nassau Sts. $15,223, and Percy St. between Johnston and Bigler Sts. $7,315; from Clifton Constr. Co., 131 East Berkley St., Clifton Heights, Hutchinson St. between Johnston and Bigler Sts. $5,520, also removing old and constructing new sewers in 11th, Warwick, Alder and Bigler Sts. $22,209; from A. Perna & Sons, 752 South 10th St., branch sewers in Kenmore St. between Lansdowne and Media Sts., $7,476; from E. F. Bennis, 825 East Washington Lane, 69th St. between Chester and Regents Sts., Regent St. between 68th and 69th Sts. $12,324, also Vernon St. between Chew and Boyer Sts. $8,170; from Vattieri & Pantarelli, 523 Rising Sun Ave., Spencer St. between 4th and 5th Sts., $6,943; from A. J. Henderson, 825 East Washington Lane, Wadsworth Rd. between Crittenden and Steton Sts., $5,506; from F. T. Buckins, 4050 Kensington Ave., inlet laterals, spurs, etc., in various streets, $41,050; from J. E. Robinson, 5231 Catharine St., test borings through soil and drift also in water through soil and drift and exclusive of water, $1,845. Noted Jan. 21.

Md., Baltimore — Bd. Awards, Jan. 27, 21,500 lin.ft. 24- to 60-in. rein.-con. pipe, from Lock Joint Pipe Co., 9 Rutledge Ave., Ampere, N. J., $57,110. Noted Jan. 21.

O., Akron—W. F. Peters, dir. Pub. Serv., Municipal Bldg., Jan. 28, sewage treatment plant at Botzum, from Walsh Constr. Co., 308 Euclid Ave. Bldg., Cleveland, $2,666,940. Noted Dec. 24.

Calif., Beverly Hills — Municipal Impvt. Dist., sewers in various streets, Contr. (1) 25,500 lin.ft. 8 and 10 in. (a) vitr. and (b) concrete pipe, 60 manholes, etc., Contr. (2) 17,900 lin.ft. 6 and 10 in. pipe, etc., from Cogo & Rados, 705 Bernard St., Los Angeles, (1a) $27,255 (1b) $26,229 (2a) $18,666 (2b) $17,995. Noted Nov. 26.

Calif., Brea—City Trustees, Jan. 20, from H. A. Dunkle, 1913 North Commonwealth Ave., Los Angeles, sewers in various streets, 593 ft. 18 in. pipe $2.40 per ft., 2,582 ft. 15 in. $1.80, 3,590 ft. 10 in. $1, 11,772 ft. 8 in. $0.90, 22,722 ft. 6 in. $0.80, etc., total approximately $53,000. Noted Jan. 7.

Calif., Fullerton—City Trustees, Jan. 19, Fullerton-La Habra outfall sewer, pipe system, from Stroud Bros., Bakersfield, $18,152; 2 mi. 16 in. rein.-con. pressure line, from G. W. Kemper, 163 South Marguerita St., Alhambra, $2.20 per lin.ft.; and pumping plant, from P. Barnett, Orange, $7,400 (complete). Noted Dec. 24.

CONTRACTS AWARDED

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, main sewer in Rowland Ave. between Tudor and Bleigh Sts., to J. Lombardi, Lincoln Bldg., $7,123; discharge pipes between Southwest Pumping Station and Eagle Creek, to J. J. McHugh, 1617 Race St., $7,070; and underground structure in Wheatsheaf Lane between Delaware Ave. and Delaware River, to G. F. Dobbin, 1020 South 47th St., $30,804. Grand total $44,997. Noted Jan. 28.

Ia., Earlham—For 25,175 ft. 8 and 10 in vitr. clay sewers, etc., in various streets, to E. L. Royer Constr. Co., Valley Junction, $24,124; disposal plant, to Repass Bros., Des Moines, $9,585.

Ore., Astoria—City Manager, 1,475 ft. 15- to 36-in. and 9,800 ft. 6- to 21-in. rein.-con. sewers in Bond St. and Taylor Ave., to J. D. Hanley, 709 Gasgo Bldg., Portland, $47,900. Engrs. est. $62,700. Noted Jan. 7.

Waste Disposal

PROPOSED WORK

Ill., Peoria — Plans election in April, $100,000 bonds, garbage incinerator and motorizing garbage equipment. W. E. Backes, City Hall, engr.

Bridges

PROPOSED WORK

Connecticut—State Hy. Dept., Hartford, plans bridge across Sasco River between Westport and Southport. To exceed $25,000. J. MacDonald, highway engr. R. G. Powell, dist. engr.

N. Y., Lackawanna (Ind. br. Buffalo) — Plans replacing 800 ft. steel truss bridge with rein.-con. structure, Ridge Rd. $500,000.

N. Y., North Tonawanda—Plans bridge over Barge Canal. To exceed $75,000. T. W. Barrally, North Tonawanda, engr.

Md., Baltimore—Baltimore & Ohio R.R. Co., Charles and Baltimore Sts., making plans rein.-con. viaduct over Hanover St. from Wells to Moale Sts. $1,500,000. H. A. Lane, ch. engr.

Ga., Ashburn—See "Streets and Roads."

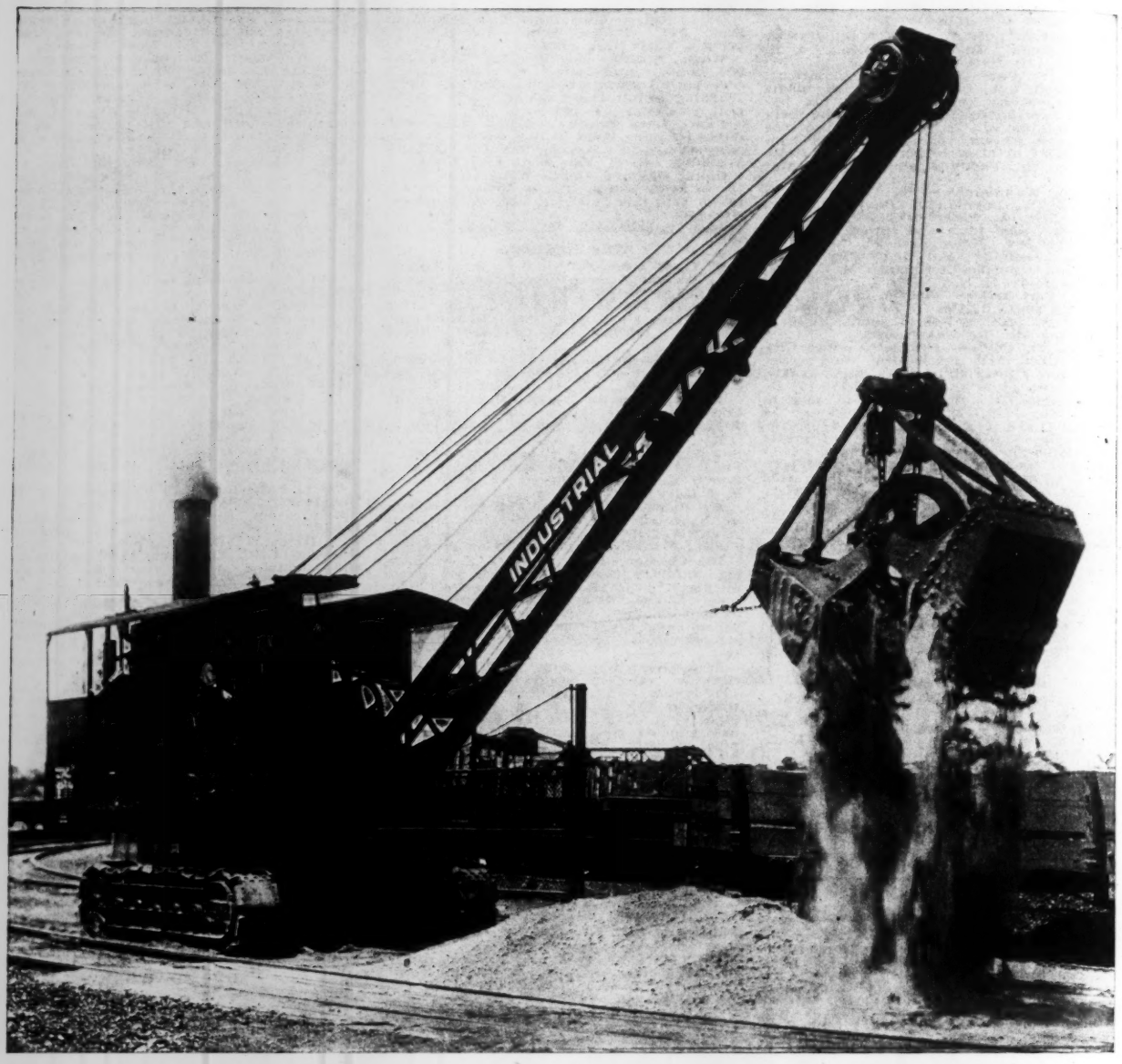
Fla., Ft. Myers — Lee Co. voted $100,000 bonds, bridge across Matanzas Pass. Noted Dec. 31 under "Streets and Roads."

Fla., Palatka—Putnam Co. election Feb. 16, $500,000 bonds, enlarging bridge over St. Johns River.

Miss., Waverly—See "Streets and Roads under Mississippi."

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Feb. 27, 3 over 20 ft. span rein.-con. bridges, one over Crooked Creek, one over Cypress Creek

See proposal advertisements on page 155, Advertising Section.



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Bridges (Continued)

and other over Snake Creek, between Selmer and Adamsville, McNairy Co. C. N. Bass, acting comr.

Tennessee—See "Streets and Roads."

O., Dover—Comrs. Tuscarawas Co. (New Philadelphia) soon take bids bridge over Baltimore & Ohio R.R. tracks from west bank of Sugar Creek to 5th St., here. $200,000.

Minn., Staples—Todd Co. (Long Prairie), Cass Co. (Walker), and Wadena Co. (Wadena), plan concrete and steel bridge over Wing River about 4 mi. northeast of here. $26,400.

N. D., Minot—Making plans replacing concrete and steel bridge between Central St. and 1st Ave. S. E. $25,000. A. D. Hagenstein, city aud.

Texas—Crockett Co. (Ozona) and Pecos Co. (Ft. Stockton) making plans 200 ft. steel truss span bridge, 18 ft., across Pecos River. $200,000. Address W. P. Kemper, Austin, highway engr.

Texas—Washington Co. (Brenham) and Waller Co. (Hempstead) making plans 600 ft. steel span bridge with rein.-con. approaches across Brazos River, on Highway 20. $300,000. Address G. G. Wickline, 912 West 22nd St., Austin, engr.

Tex., Barstow—See "Streets and Roads."

Tex., Decatur—See "Streets and Roads."

Tex., Groveton—See "Streets and Roads."

Tex., Memphis—See "Streets and Roads."

Oklahoma—State Hy. Dept., Oklahoma City, making preliminary plans 4 span 660 ft. steel truss bridge on pile piers at Lone Wolf, Kiowa Co., $35,000; made surveys 58 span 1,160 ft. creosoted pile trestle bridge, at Keno, Woods Co., $30,000, and 3 span 116 ft. rein.-con. bridge on concrete piers at Turpin, Beaver Co. $25,000. J. M. Page, highway engr.

Nevada — State Hy. Dept., Carson City, making plans Wadsworth Bridge, steel, Washoe Co. $38,500. G. M. Borden, highway engr.

Wash., Chelan—See "Streets and Roads."

Que., Grand Mere — City and Provincial Government, Quebec, plan bridge over St. Maurice River. $200,000. I. E. Vallee, Quebec, engr. Noted Aug. 14, 1924.

BIDS DESIRED

Pa., Phila. — Feb. 10, by Bureau Engineering, Dept. Pub. Wks., new 60 x 80 ft. steel and rein.-con. bridge, under railroad tracks at Rising Sun Ave. $150,000.

Virginia—See "Streets and Roads."

North Carolina — Feb. 8, by State Hy. Dept., Raleigh, rein.-con. bridges and culverts on Project 303, Bladen Co. $32,600, Project 838, Henderson Co. $28,800, Project 772, Watauga Co. $27,500, Project 664, Richmond Co. $30,000, Project 635, Gaston Co. $96,000, Project 479, Wake Co. $59,000, Project 465, Person Co. $31,900, Project 240, Johnston Co. $125,000. C. M. Upham, Raleigh, engr. Noted Jan. 7.

O., Dayton — Feb. 19, by G. F. Baker, dir. Pub. Serv., two 95 ft. span half thru steel girder bridge encased in concrete, 24 ft. roadway and two 7 ft. sidewalks over Wolf Creek at Williams St., 235 tons structural steel, 27 tons reinforcing, etc. $175,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

Indiana—Feb. 16, by J. D. Williams, dir. State Hy. Comn., Indianapolis, **(s.g. means steel girder, S.R. state road, s.t. steel truss, e.p.g. encased plate girder, r.c.a. rein.-con. arch, r.c.b. rein.-con. box, and r.c.s. rein.-con. slab)** 2 s.g. and 1 s.t. on S.R. 1-D, Scott Co.; 3 s.t. on S.R. 22-1, Crawford Co.; 2 s.t. on S.R. 22-K, Orange Co.; 4 r.c.a. on S.R. 10-K, Vigo Co.; 1 e.p.g. on S.R. 40-G, Scott Co.; 1 s.t. on S.R. 34-D, Fayette Co.; 1 s.t. on S.R. 12-1, Owen Co.; 1 s.t. on S.R. 25-C, LaGrange Co.; 3 r.c.g. on S.R. 31-E, Putnam Co.; and 2 r.c.s., 3 r.c.b. and 3 r.c.g. on S.R. 39-A, Marion Co.

Michigan—Feb. 17, by State Hy. Dept. at office comrs. Shiawassee Co., Corunna. Bridge File No. 761.306 S. R., two 65 ft. spans. G. A. Dillman, Lansing, engr.

Nebraska—See "Streets and Roads."

Tex., Eagle Pass — See "Contracts Awarded."

California—Feb. 15, by Supervs. Alameda Co. (Oakland) reconstructing steel bridge over San Antonio Estuary between Alameda and Oakland. To exceed $25,000. Noted Jan. 21 under "Oakland."

BIDS RECEIVED

O., Stillwater—Commissioners Tuscarawas Co. (New Philadelphia) bridge over Baltimore and Ohio R.R. tracks, here, from Dover Tank & Plate Co., Dover, $27,454. Engrs. est. $35,000.

Mich., Detroit—Wayne Co. Road Comn., 1103 Real Estate Exch., housing and enclosure walls for concrete and stone double leaf trunnion bridge over River Rouge, at Dix Ave., from G. P. Cullen, Inc., 2940 West Lake St., Chicago, Ill. **(A)** $23,405 **(B1)** $42,336 **(B2)** $41,715 **(B3)** $40,780. Noted Jan. 7.

Texas and Oklahoma—E. P. Walsh, aud. Wichita Co., Wichita Falls, Tex., and J. M. Page, state highway engr., Capitol Bldg., Oklahoma City, Okla., Jan. 18, bridge over Red River between Burkburnett, Tex., and Randlett, Okla., from Austin Bridge Co., 1813 Clarence St., Dallas, steel girder type, $239,842; from Davis-Pace Co., 1306½ Young St., Dallas, concrete, $243,874. Noted Dec. 24.

CONTRACTS AWARDED

N. H., Nashua—City, Dept. Pub. Wks., rebuilding old bridge, on West Main St., to Blakeslee Rollins Co., 6 Beacon St., Boston, Mass., $157,500. Engrs. est. $150,000.

North Carolina — State Hy. Comn., Raleigh, to Sanford & Brooks Co., Charlestown, S. C., rein.-con. bridge, known as "Proposition 1," over Bogue Sound, on Project 203, 342 cu.yd. Class AA concrete at $38 per cu.yd., 7,888 cu.yd. Class A concrete $27.50, 16,600 lin.ft. untreated timber piling $0.71, 7,300 lin.ft. creosoted timber piling $0.85, 1,091,240 lb. reinforcing $0.053, etc., total $504,076; to Roanoke Iron & Bridge Wks., Roanoke, Va., bridge known as "Proposition 2," over Bogue Sound Channel, on Project 203, 20 cu.yd. Class AA concrete $75, 346 cu.yd. Class A concrete $33, 400 sq.yd. creosoted block paving $4.60, 27,000 lb. reinforcing $0.05, 560,000 lb. structural steel $0.083, etc., total $138,450, both in Carteret Co. Noted Nov. 26.

Fla., Fort Lauderdale—Broward Co., 100 ft. steel and concrete draw bridge, to Champion Bridge Co., Ft. Lauderdale, $100,000. Noted Dec. 31 under "Streets and Roads."

La., New Orleans—Pub. Belt R.R. Comn., Municipal Bldg., test borings for Mississippi River Bridge, 2 mi. above city limits, to Southern Deep Well Drilling Co., 429 Patterson St., Algiers, $44,400. Noted Dec. 31.

Mich., Dearborn—Village, 70 ft. concrete T-beam bridge over River Rouge, at Brady St., to L. W. Kinnear, Inc., 1524 Clairmount Ave., Detroit, $34,950. Noted Dec. 24.

Kan., Eureka—Greenwood Co., one 120 ft. arch and two 40 ft. deck girder, also two 16 ft. and two 18 ft. concrete slab spans, etc., on Federal Aid Project 322-H, to Yancey Constr. Co., Abilene, $40,717.

Kan., Oswego—Labette Co., two 120 ft. and one 140 ft. span through arch bridge with 20 ft. roadway, 107,074 lb. steel bars, 93,100 lb. structural steel, etc., also one 120 ft. span through arch rein.-con. bridge, 46,338 lb. steel bars, 24,766 lb. reinforcing, etc., on Parsons-Pittsburg Rd., to Sharpe Bros., Eldorado, $73,125 and $26,397 respectively.

Tex., Eagle Pass — Texas & Eagle Coahuila Bridge Co. will build 400 ft. rein.-con. and steel bridge across Rio Grande River, by day labor. $200,000. Private plans. Noted June 18, under "Texas."

Arizona—W. C. Lefebvre, highway engr., Phoenix, 1,660 ft. steel bridge over Gila River 615 ft. below Gillespie Dam, on Federal Aid Project 64-B, to Lee Moor Constr. Co., Tucson, $292,167. Noted Dec. 24.

B. C., New Westminster — Provincial Govt., Victoria, timber on piles protection pier for draw span of Fraser River Bridge, to Nichson Constr. Co. Ltd., Georgia Viaduct, Vancouver, $100,000.

Dams

PROPOSED WORK

N. Y., Perrysburg—City of Buffalo, City Hall, plans additional dam, at J. N. Adam Memorial Hospital, here. $75,000. W. H. Mosher, 700 Main St., Buffalo, engr.

California—See "Unclassified."

Quebec—Water Running Comn., Montreal, plans concrete dam at Lake Mekinae, Champlain Co. $500,000. O. Leferne, Quebec, engr.

BIDS DESIRED

N. C., Concord—Feb. 16, by Bd. Water Comrs., earth and concrete impounding dam, 30,000 cu.yd. embankment, 8,000 cu. yd. excav., 4,500 sq.yd. rein.-con. pavement, 80 cu.yd. concrete walls, 450 lin.ft. 16 and 30 in. pipe lines, rein.-con. gate shaft, etc. $33,000. G. C. White & Co., Durham, engrs.

Railways

PROPOSED WORK

California—City and San Francisco Co., San Francisco, soon take bids extending railway in Judah St. between 31st and 41st Aves., San Francisco. $30,000. M. M. O'Shaughnessy, city engr.

British Columbia—British Columbia Electric Ry. Co., 425 Carrol St., Vancouver, plans double tracking street car lines with permanent concrete road bed. $200,000. Work will probably be done by own forces. A. C. Eddy, 425 Carrol St., engr.

BIDS DESIRED

Texas—See "Contracts Awarded."

CONTRACTS AWARDED

Texas — San Antonio, Medina Lake & Western R.R., W. L. Williams, pres., Box 435, San Antonio, will build 40 mi. railroad from San Antonio to Medina Lake. Work will be done by separate contracts.

Ontario—Spruce Falls Pulp & Paper Co., Kapuskasing, grubbing, tracking, laying, etc., for 60 mi. railroad from Kapuskasing Sta. on Canadian Natl. R.R. to Smoky Falls on Mattagami River, to Morrow & Beatty, Peterborough. Engrs. est. $1,500,000-$2,000,000.

Excavation, Drainage, Irrigation, Levees River and Harbor

PROPOSED WORK

Vt., Bellows Falls — See "Building—Industrial."

Fla., St. Petersburg — Election Feb. 9, $235,000 bonds, improving harbor, incl. dredging entrance to channel and turning basin to 27 ft.; also $86,000 bonds, dredging Bayboro Basin to 19 ft. mean low tide.

Mich., Belle Isle (mail Tobins Harbor)—Dept. Parks & Blvds., Marquette Bldg., Detroit, making preliminary surveys restoring canals, incl. dams, electrically operated pumps, etc., here. $25,000. J. A. Stringham, Detroit, research engr.

Ill., Springfield—Made plans constructing Lake Springfield, incl. large dam, submerging approximately 10,000 acres land, constructing scenic highway around proposed lake of 50 mi., bathing beaches, parks, etc. $1,500,000. W. Seeley, City Hall, engr.

Tex., Galveston — Galveston Wharf Co., c/o E. E. Gossrau, 2324 Ave. B plans rebuilding Piers 23, 24, 25 and 26, and wharves, rein.-con., recently destroyed by fire. $1,500,000. R. M. Sias, 2324 Ave. B, engr.

Okla., Pauls Valley—Rush Creek D. D. 3, Garvin Co., made preliminary plans draining and straightening Rush Creek from Pauls Valley to junction with Washita River, 5 mi. away. $45,000. A. Rennie, Pauls Valley, engr.

Quebec—Dept. Pub. Wks., Ottawa, plans dredging 105 mi. navigable channel in River St. Maurice from Grand Mere to La Tugue. $50,000. B. Grandmont, Three Rivers, engr.

BIDS DESIRED

Fla., Fort Pierce — Feb. 10 (extended date), by C. C. Burry, city aud.-clk., fill, sea-wall, bulkheads, sewer extensions and other appurtenances. W. A. Smith, mgr.; adv. E. N.-R. Feb. 4. Noted Dec. 24.

O., Cleveland—Feb. 10, by City, dredging Cuyahoga River, also under and around bridges. $75,000. R. Hoffman, City Hall, engr. Noted June 11.

BIDS RECEIVED

Calif., San Francisco — Core borings along and near line of Hetch Hetchy Aqueduct, Coast Range Division, from International Diamond Drill Co., Hobart Bldg., approximately $18,884. Noted Jan. 21.

CONTRACTS AWARDED

Ia., Cedar Rapids—City Council, improving river front Red Cedar River, incl. rein.-con. retaining walls, to Allied Contractors, Inc., 1803 Douglas St., Omaha, Neb., $99,556. Noted Dec. 24 under "Unclassified."

Ia., Council Bluffs—City, approximately 125,000 cu.yd. channel change, etc., in Indian Creek, to Boyne Constr. Co., Council Bluffs.

Minn., Minneapolis—A. P. Erickson, aud. Hennepin Co., constructing County Ditch 40, pump house, to R. H. Wessel, 463 Cleveland Ave. N., St. Paul, $4,956; installing 3 pumps, to W. H. Ziegler Co., 619 Washington Ave. S., $6,424; 7,840 cu.yd. excav. and pump pit, to Mikelson Cement Products Co., Albert Lee, $17,996; 97,057 ft. 5- to 36-in. drain tile, etc., to Owatonna Cement Tile Co., Owatonna, $17,590. Grand total $46,966. Noted Dec. 31.

Calif., Carmichael — Carmichael Irrigation Dist., 6 mi. riveted steel pipe, 6- to 14-in. diam., to Sacramento Pipe Wks., 720 R St., Sacramento, $19,667; and three 75

See proposal advertisements on page 155, Advertising Section.

Detours cost money

COUNT up the times this year that you are thrown off your route by detours and note *how few* times it is caused by repair work on *vitrified brick pavements*.

There are brick pavements in use today laid more than a quarter-century ago which have not yet had a dollar of repair cost charged against them. Even though designed only for the easy burdens of light buggies, farm wagons and horse-drawn drays, scores of these veteran brick pavements have proved able to carry the modern 10-ton motor truck.

The paving material that holds upkeep and repair cost to a minimum and saves its community from detours is *vitrified brick*, the most economical pavement a community can buy.

Pave With VITRIFIED **Brick**

The Pavement that Outlasts the Bonds

NATIONAL PAVING BRICK MANUFACTURERS ASSOCIATION, ENGINEERS BLDG., CLEVELAND, OHIO

Excavation, Drainage, Irrigation, Levees, River and Harbor (Cont.)

kva. transformers, to General Electric Co., Rialto Bldg., San Francisco, $2,151. Noted Jan. 21.

Calif., San Francisco—Core borings along and near line of Hetch Hetchy Aqueduct, Coast Range Division, to International Diamond Drill Co., Hobart Bldg., $18,884. Noted Jan. 28.

Streets and Roads

PROPOSED WORK

New Jersey—Cape May Co. (Cape May) plans paving 3 mi. road from Ocean City to Cape May Point, 44 ft. R. F. Smith, Marmora, engr.

New Jersey — Ocean Co (Toms River) making plans concrete paving 1 mi. road in New Egypt, and 2 mi. road from Barnegat Bay Bridge, Toms River. J. M. Abbott, Toms River, engr.

N. J., Long Branch — Monmouth Co. (Freehold), plans 8 in. rein.-con. paving 3 mi. Route 47, Rumson Rd., 20-30 ft., and 3 in. asphalt on 6 in. concrete paving 1.65 mi. Westwood and Cedar Aves., here. G. K. Allen, 60 Broad St., Red Bank, engr.

N. J., Sayreville — Middlesex Co. (New Brunswick), plans concrete paving 1 mi. Main St., here. W. F. Buchanan, New Brunswick, engr.

N. J., Spring Lake—Mayor and Common Council, J. G. Newman, supt., plans improving ¼ mi. streets. $25,000. J. M. Braly, Spring Lake, engr.

N. C., Raleigh — Plans probably asphalt on concrete paving Boylan Ave., Blount, Boundary, Bloodworth, Davie, Edenton, Lane, and Lenoir Sts. C. C. Page, comr. Pub. Wks.

S. C., Conway—Voted $85,000 bonds paving and sewers in various streets.

Ga., Ashburn—Turner Co. defeated $125,000 bonds, hardsurfacing various roads and constructing bridge. Noted Jan. 7.

Ga., Dalton — Making plans paving approximately 1 mi. Hamilton St., 26 ft. $65,000.

Ga., Eatonton—Putman Co. plans election soon $125,000 bonds, improving various roads.

Ga., Greenville — Meriwether Co. voted $300,000 bonds, improving roads. Noted Dec. 10.

Ga., Hartwell — Plans paving various streets. $40,000. D. W. I. Hailey, mayor.

Fla., Brookfield—Election Feb. 8, $85,000 bonds, paving various streets. F. S. Parrigan, Brookfield, engr.

Fla. Ft. Myers—Lee Co. voted $360,000 bonds, paving McGregor Blvd. from here to Punta Rassa; $73,000 bonds, Iona Loop; $119,000 bonds road connecting Tamiami Trail and McGregor Blvd., also $48,000 bonds, constructing 2 mi. Estero Island. Noted Dec. 31.

Fla., Live Oak — Suwanee Co. election Feb. 16, $800,000 bonds, hardsurfacing Suwanee Scenic Highway to Ichtuckne River, etc.

Fla., Palatka—Putnam Co. election Feb. 16, $1,250,000 bonds, constructing roads.

Mississippi — Lowndes Co. (Columbus) and Clay Co. (West Point) making preliimnary plans grading and hardsurfacing Columbus-West Point Rd., incl. concrete bridge over Timbigbee River at Waverly.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, plans to expend $15,000,000, for roads and bridges. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Feb. 26, grading, etc., 3.5 mi. Crump-McNairy Co. line Rd., Hardin Co., and 14.5 mi. Selmer-Hardin Co. line Rd., McNairy Co.; also probably concrete paving 3.5 mi. Knoxville-Blount Co. line Rd., Knox Co. C. N. Bass, acting comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 15 mi. Gatlingburg-Indian Gap Rd., Sevier Co. C. N. Bass, acting comr.

Tenn., Clarksville—Montgomery Co. plans surfacing, oiling and repairing various roads. $60,000. J. Selzmeyer, Clarksville, co. engr.

Tenn., Huntsville — Scott Co. plans improving 20 mi. highway from State Road to Campbell Co. line via Huntsville. $150,000.

Tenn., Sneedville — Hancock Co. plans improving 15 mi. Sneedville Highway to Kyles Ford. $50,000.

Tenn., Union City—Obion Co. and State Dept. Highways & Pub. Wks., Nashville, plan improving 20 mi. various roads. $80,000.

Kentucky — State Hy. Dept., Frankfort, plans grading, etc., 1.9 mi. Whitehall-Ohio Co. line Rd., State Aid Project 12-A, Daviess Co.; 9.5 mi. Borah Ferry-Morgantown Rd., Butler Co.; 8.01 mi. Bedford-Oldham Co. line Rd., Federal Aid Project 145, and 13 mi. Bedford-Milton Rd., Federal Aid Project 145, both Trimble Co.; also 7.25 mi. Salyersville-Royalton Rd., State Aid Project 28, Magoffin Co. E. N. Todd, highway engr.

O., Columbus—Franklin Co. soon takes bids grading and bituminous bound macadam paving 1.23 mi. Rodgers Rd., 18 ft. $35,979. C. C. Lattimer, Columbus, co. surv.

O., Columbus—Franklin Co. soon takes bids bituminous bound macadam surfacing 1.904 mi. Joyce Ave., 20 ft., $69,429, and 1.79 mi. Cassady Ave., $59,075; waterbound macadam surfacing latter road $47,913, 1.05 mi. Avery Rd. $17,126, 0.42 mi. Strimple Rd., 16 ft. $14,923, 2.42 mi. Livingston Ave., 18 ft. $66,209, 0.89 mi. Mast College Ave. Rd., 16 ft. $19,539, 1.824 mi. Indianola Ave. Rd., 20 ft., $47,207; bituminous macadam surfacing latter road, $62,617. C. C. Lattimer, Columbus, co. surv.

O., Lisbon—Comrs. Columbiana Co. take bids in spring improving 5 mi. Salineville-Summitville Rd., 16 ft. $135,955. L. C. Kirk, Lisbon, engr. Noted Sept. 17.

O., New Philadelphia—Tuscarawas Co. plans improving Blick Town Rd., 16 ft. $50,000.

Mich., Detroit—Making plans curbing and 3½ in. sheet asphalt on 8 in. concrete paving Pembroke, Curtis, Puritan, Schoolcraft, Houston, Hayes and Harper Aves., Lonyo, Ryan, French, Town Line and Schaeffer Rds. $1,466,000. P. A. Fellows, city engr.

Ill., Galesburg — Plans grading, curbing and vitr. brick on concrete paving 5 blocks South Kellogg and East Knox Sts., 36 and 30 ft., $33,067; and 6,067 sq.yd. Indiana Ave. and East Grove St., 24 and 30 ft., $27,485. A. L. Richey, City Hall, engr.

Ill., Galesburg—Plans grading, curbing and vitr. brick on concrete paving 6,180 sq. yd. South Henderson St. $26,941. A. L. Richey, City Hall, engr.

Ill., Peoria—Making plans grading, curbing and brick paving 9 blocks Shipman St., 24 ft. $40,911. W. E. Backes, City Hall, engr.

Ill., Springfield—Making plans grading, curbing and brick on concrete paving 8 blocks Eastman and Matheny Aves. $65,000. W. Seeley, City Hall, engr.

Ill., Springfield—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Ia., Council Bluffs — Pottawattamie Co. making plans grading Lincoln Highway between Honey Creek and Loveland. $202,000. G. B. Sparks, Council Bluffs, aud.

Ia., New Sharon—Plans paving 10 to 15 blocks various streets. $35,000 or more. D. B. Hill, city clk.

Minn., Anoka—Making plans paving approximately 10 blocks North Ferry St. and 4th Ave. N. $35,000. H. Lee, city clk.

Minn., St. Cloud—Stearns Co., N. Thomey, aud., making plans concrete paving 14 mi. St. Joseph-Albany Rd., State Trunk Highway 3. $280,000. State Highway Dept., St. Paul, engrs. State to furnish cement.

Kan., Herington — Plans paving and sewers various streets. To exceed $25,000. Black & Veatch, 700 Mutual Bldg., Kansas City, Mo., engrs.

Kan., Winfield—Comrs. Cowley Co. making plans brick or concrete paving 5.398 mi. Federal Aid Project 231-D, 18 ft. W. S. Ruggles, Jr., Winfield, co. engr.

Kan., Winfield—Comrs. Cowley Co. making plans concrete or brick paving 3.444 mi. Federal Aid Project 231-C, 18 ft. W. S. Ruggles, Jr., Winfield, co. engr.

Neb., Omaha — Plans opening 4 blocks 22nd St., to exceed $200,000; and 5 blocks St. Marys Ave., $250,000, both 80 ft. J. P. Hoctor, city clk.

S. D., Sioux Falls—Making plans paving approximately 17 blocks North and Spring Aves. and certain alleys. $60,000. W. C. Leyse, city aud.

Montana—State Hy. Dept., Helena, making plans grading, etc., 5 mi. Vaughn-Power Rd., Federal Aid Project 211-A, Cascade Co., 5 mi. Bynum-Dupuyer Rd., Teton Co., 5.5 mi. Lewistown-Grass Range Rd., Fergus Co., 3 mi. Missoula-Florence Rd., Federal Aid Project 215-B, Missoula Co., 5 mi. Whitefish-Olney Rd., Federal Aid Project 98-A, Flathead Co., 5.6 mim. Yellowstone Canyon Rd., Federal Aid Project 217-C, Park Co., and 6 mi. Rocky Canyon Rd., Federal Aid Project 222-A, Gallatin Co., east 24 ft. $22,500; 24 ft. grading and 15 ft. gravel surfacing 2 mi. Billings East Rd., Yellowstone Co., $15,000. State Highway Comrs., engrs.

Montana—State Hy. Dept., Helena, making plans, grading, etc., 4.7 mi. Missoula-Clinton Rd., Federal Aid Project 231-A, Missoula Co., $22,500; grading, gravel surfacing, etc., 13.5 mi. Crew Agency-Wyoming Line Highway, Federal Aid Project 212-I, Big Horn Co. $95,000, 9.6 mi. Glacier Park Trail, Federal Aid Project 84-A, Roosevelt Co. $65,000, and 9.6 mi. Frazer-Oswego Highway, Federal Aid Project 232, Valley Co. $65,000, all 24 ft. State Highway Dept., engrs.

Mo., Clayton—St. Louis Co. making preliminary plans grading, concrete paving, etc., 26 mi. cross country highway connecting 4 state highways between Pattonville and Mehlville, 18 ft. $900,000. R. Jablonsky, Court House, engr.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids Warrenite bitulithic paving, etc., 17,225 sq.yd. Jefferson St. $96,000, 10,325 sq.yd. Jefferson St. between Arsenal and Gravois Sts. $59,000, 6,640 sq.yd. Jefferson St. between Park and Lafayette Sts. $42,000, 4,120 sq.yd. Eugene St. $29,000, 13,275 sq.yd. Wyoming St. $54,500, and 9,555 sq.yd. Connecticut St. $40,800; asphalt paving 2,515 sq.yd. Maryland St. $16,400, 3,150 sq.yd. Magnolia St. $23,500, 15,050 sq. yd. Grand Blvd. $75,000, and 1,210 sq.yd. California St., $5,800; asphaltic concrete paving, etc., 1,790 sq.yd. Bowden St., $10,000, and 3,520 sq.yd. Park Lane, $22,500; concrete paving, etc., 4,435 sq.yd. Lowell Ave., $22,800; brick paving, etc., 5,660 sq.yd. Magnolia St., $34,300; and granite block paving, etc., 3,180 sq.yd. Newstead St., $26,200. W. W. Horner, 300 City Hall, engr.

Ark., Little Rock—Plans grading, curbing and paving Impvt. Dist. 430, Appian Way, West Capitol Ave., West 6th, West 7th, Valentine and Booker Sts., W. Townsend, 603 Boyle Bldg., atty.; Impvt. Dist. 431, Tyler St. from O St. to Newton addition, Harrison St. from O St. to Prospect Ave., R St. from Prospect Ave. to Harrison St., and Q St. from Prospect Ave. to Tyler Ave., S. L. White, 828 Southern Trust Bldg., atty.; Dist. 432, Wildwood, Centerwood, Edgewood and Sherwood Rds., also Dist. 433, West 2nd St. from Main St. to alley between Bway. and Spring Sts. and Louisiana St. from Markham to 2nd Sts., S. L. Kahn, Kahn Bldg., attay.; Dist. 434 and 435, Kenyon St. from Rose to Elm Sts., Rose St. from Kenyon to North Lookout St. and Fairview Rd. from South Lookout to Kenyon Sts.; Dist. 436, Woodlawn St. from Monroe to Jackson Sts., F St. from Jackson to Monroe Sts., Monroe St. from Prospect to Lee Sts., and Jackson St. from Prospect to Lee Sts.

Tex., Barstow—Ward Co. making plans grading, bridging and gravel surfacing 4.59 mi. State Highway 1 from Pecos River to here, 18 ft. $148,000.

Tex., Boston — Bowie Co. plans paving 72,000 yd. in Beverly Heights. $250,000.

Tex., Decatur—Wise Co. making plans grading, bridging and bituminous macadam paving 7.76 mi. State Highway 39 from point 4 mi. north of Bridgeport to Sandy Creek, 18 ft. $195,000. H. P. Hays, Decatur, engr.

Tex., El Paso—El Paso Co. making plans limestone rock asphalt on crushed stone paving, etc., 7.35 mi. State Highway 1 from El Paso to White Spur, 18 ft. $260,000. F. E. Wilson, El Paso, engr.

Tex., Ennis—Voted $60,000 bonds paving various streets. G. C. Sanderson, secy. Noted Dec. 17.

Tex., Groveton—Trinity Co. making plans grading and bridging 9.8 mi. Groveton-Pennington Rd., $82,000, also 19.3 mi. Trinity-Groveton Rd. $179,600, both 26 ft. J. O. Booker, Lufkin, engr.

Tex., Houston—J. C. McVea, city engr., soon take bids gravel paving 27 various streets. $50,000.

Tex., Kingsville—Voted $125,000 bonds paving various streets. Engineer not announced. Noted Jan. 7.

Tex., Memphis—Hall Co. made plans and soon takes bids grading and bridging 3.15 mi. State Highway 5 from Red River to Childress Co., 26 ft. $44,000. C. L. Hasle, Memphis, co. engr.

Tex., Nacogdoches — Defeated $30,000 bonds, paving Road Dist. 1. A. T. Russell, co. judge.

Tex., San Antonio — Making plans hard paving 30 blocks Guadalupe St. between Pecos and Brazos Sts., South Pecos St. between Buena Vista and Laredo Sts., Kendall St. between Courtland and Locust Sts., South Flores St. from Pleasanton Rd. to city limits and parkway on Bway. $70,000. I. Ewig, city engr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading, etc., 11 mi. State Road 1, east of Jet, Alfalfa Co. $45,000, 5 mi. Tonhawa-Three Sands Rd. $40,000, and 11 mi. Blackwell-Hunnewell Rd. $60,000, both Kay Co., 9 mi. Covington-Lucien Rd. 1 $35,000, and 10 mi. Drummond Rd. $40,000, both Garfield Co.; grading and vertical fibre brick surfacing 7 mi. Blackwell-Ponca City Rd., Kay Co., $75,000; grading and clay surfacing 9 mi. State

See proposal advertisements on page 155, Advertising Section.

Streets and Roads (Continued)

Road 13, west of Seiling, Major Co. $44,000, all above roads 30 ft. wide; gravel topping 7 mi. Enid-Drummond Rd. 13, 18 ft., Garfield Co., $46,000. J. M. Page, highway engr.

Okla., Frederick—Tillman Co. made preliminary plans improving 102 mi. various roads, 30 ft. $900,000 bond election soon. J. M. Page, Oklahoma City, highway engr.

Okla., Marland—Making plans grading and concrete paving 9,200 sq.yd. Main St. $28,800. P. P. Dutton, Ponca City, engr. Noted Dec. 17.

Wash., Chelan — Chelan Co. plans constructing approximately 30 mi. roads and 2 steel bridges. $100,000.

Wash., Yakima—Yakima Co. plans constructing 50 mi. Whiteswan-Glenwood Rd. across Indian Reservation, 60 ft. $750,000-$1,000,000.

Calif., Anaheim — Plans constructing various streets. $150,000 or more.

Calif., Los Angeles—Made plans improving Woodman and Osborne Aves., 79,818 sq.ft. 6 in. concrete paving, 828,165 sq.ft. 1½ in. Warrenite-bitulithic on 3½ in. asphaltic concrete surfacing, 25,706 cu.yd. cut, etc. J. C. Shaw, City Hall, engr.

Calif., Los Angeles — Made plans 6 in. concrete paving approximately 20 mi. various streets in Devonshire, Chatsworth Dists. (San Fernando Valley Sect.). J. C. Shaw, city engr.

Calif., Martinez—Contra Costa Co. made plans improving tunnel highway between Oak Villa and Buckley Ranch, 68,000 cu.yd. excav., 5,000 cu.yd. macadam. To exceed $30,000. R. R. Arnold, Martinez, co. surv.

Calif., Mountain View—Made plans improving Pettis, Mt. View, Pacific Aves., etc., 443,430 sq.ft. grading, 377,900 sq.ft. 4 in. and 65,530 sq.ft. 4½ in. Warrenite-bitulithic paving, etc. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., Newport Beach—Plans curbing, guttering, walks, and 4 in. asphaltic macadam paving approximately 9 mi. streets in Palisades section. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr.

Calif., Ontario—Plans paving, etc., portions of California St. and 5th Ave. To exceed $25,000.

Calif., Petaluma—Plans election $35,000 bonds, paving, guttering and concrete curbing various streets. S. Gonzales, city engr.

Calif., San Anselmo — Make plans improving Mariposa, Belle, Austin, Melville Aves., etc., 12,891 cu.yd. excav., 74,210 sq. ft. 5 in. and 162,281 sq.ft. 4 in. asphaltic concrete paving, 236,491 sq.ft. grading, etc. To exceed $100,000. H. E. Feusier, 109 Tunstead Ave., engr.

Calif., San Diego—Common Council plans improving Proctor Pl., Monroe and Meade Aves., Arch and New Jersey Sts., 143,565 sq.ft. 1½ in. Warrenite on 2½ in. bituminous paving, 14,661 sq.ft. concrete sidewalk, 2,438 lin.ft. concrete curbing, etc. F. A. Rhodes, city engr.

Calif., San Francisco — Making plans artificial stone sidewalks on approximately 10 mi. various streets. M. M. O'Shaughnessy, city engr.

Calif., Salinas — Monterey Co. making plans grading approximately 4 mi. San Lucas-Coalinga Rd. in Priest Valley. $25,000 or more. H. F. Cozzens, Salinas, co. surv.

Calif., San Luis Obispo — San Luis Obispo Co. made plans 5 in. asphaltic concrete paving 1,361,330 sq.ft. Coast Highway between Morro and Cambria. $200,000 or more. A. F. Parson, 644 Islay St., engr. Noted Oct. 1.

Calif., Santa Ana—Made plans curbing, walks and 5 in. concrete paving, 529,612 sq.ft. South Parton and West Walnut Sts., etc. $90,000 or more. N. H. Neff, city engr.

Calif., Ukiah — Mendocino Co. making plans constructing road over Rockport Hill connecting Ft. Bragg with Redwood Highway. $25,000 available. E. H. Smith, Ukiah, co. surv.

Calif., Vallejo—Making plans paving 19 blocks Branciforte, Napa, Tennessee Sts., etc. To exceed $25,000. T. D. Kilkenny, city engr.

Quebec—Provincial Govt., Quebec, plans graveling or macadam paving 10 mi. National Road from Almaville to St. Nathieu, Champlain Co. $175,000. A. Fraser, Quebec, engr.

Que., Quebec—Election Feb. 15, $125,000 bonds, widening Cote d'Abraham. W. D. Baillarge, Quebec, engr. Noted Jan. 21.

Ontario—Provincial Government, Dept. Highways, Ottawa, plans improving various provincial highways in Carleton Co. $212,000.

B. C., Burnaby—Voted $118,500 bonds, bituminous and concrete paving various streets. E. Smith, Municipal Hall, Edmonds, engr.

B. C., Point Grey — Municipality voted $50,000 bonds, opening various streets. W. B. Greig, 5851 West Blvd., Vancouver, engr.

B. C., West Vancouver—Voted $100,000 bonds, concrete paving various streets.

BIDS DESIRED

N. Y., Peekskill—Feb. 23, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading and concrete paving portion State Parkway from State Camp Rock to Bear Mountain Bridge Approach Rd., at Roa Hook, near here. J. Downer, ch. engr.; adv. E. N.-R. Feb. 4. Noted Nov. 19.

Pennsylvania — Mar. 2, by State Hy. Dept., Harrisburg, bituminous on concrete or rein.-con. paving approximately 43 mi. 13 projects in Beaver, Bedford, Bradford, Cambria, Crawford, Dauphin, Delaware, Jefferson-Clearfield, Lehigh, Montour, Schuylkill, Somerset and Washington Counties. W. H. Connell, eng. executive and deputy secretary of highways; adv. E. N.-R. Feb. 4.

Virginia — Feb. 16, at office State Hy. Comn., Richmond, grading, bridging, surfacing, etc., 5.5 mi. Route 32, Project F-153-A, Charlotte Co.; 4.6 mi. Route 12, Project F-186-B, Pittsylvania Co.; 2.7 mi. Route 111, Project S-299-A, Buchanan Co.; 3.5 mi. Route 37, Project F-407, Richmond Co.; and 7.5 mi. Route 31, Project F-420-A, Dinwiddie Co.; adv. E. N.-R. Feb. 4.

W. Va., Charleston — Feb. 15, Court of Kanawha Co., Court House, grading and concrete paving 1.23 mi. Woodward Branch Rd., 16 ft.; 0.77 mi. Magazine Branch Rd., 14 ft.; and 0.65 mi. Chandler Branch Rd., 14 ft. R. N. Moulton, Charleston, clk.

W. Va., Milton — Feb. 16, by Common Council, grading, curbing and bituminous macadam with Bermudez road asphalt binder or with oil asphalt binder, concrete, or vitr. brick on concrete, and asphalt filler paving Harrison St. from Smith St. to Glenwood Ave.; Smith St. from Harrison to Florida Sts.; Florida St. from Smith St. to Washington Ave.; South Main St. from Smith St. to Joe Dillons Property; alley between North Main and Church Sts.; and alley from North Main St. to alley between Lots 23 and 24. R. W. Breece, Holswade Bldg., 317 9th St., Huntington, engr.

N. C., Charlotte—Feb. 16, by Bd. Comrs., paving 200,000 sq.yd. and 40,000 sq.yd. concrete walks on various streets. E. Read, city clk.; adv. E. N.-R. Feb. 4.

N. C., Dunn — Feb. 19, by P. A. Lee, mayor and Bd. City Comrs., grading, curbing, concrete paving, storm, etc. various streets. $25,000. G. C. White & Co., Durham, engrs.

N. C., Wendell—Feb. 9, by City, W. A. Brown, mayor, grading, concrete curbing and guttering, granite curbing, paving, etc. various streets. $90,000. J. B. McCrary Eng. Corp., Citizens & Savings Bank Bldg., Atlanta, Ga., engrs.

N. C., Wilson — Feb. 10, by Hy. Comn. Wilson Co., clearing, grubbing and asphalt or concrete paving, etc., 6.78 mi. road from city limits of Wilson to Nash Co. line, 16 ft. H. W. Rankin, engr.; adv. E. N.-R. Feb. 4.

South Carolina—Feb. 16, by State Hy. Comn., Columbia, topsoiling, etc., 6.4 mi. State Route 43, Federal Aid Project 268-A, Edgefield Co., 19,297 lb. reinforcing, also improving and bridging 3.1 mi. State Route 12, State Project S-522-B, Aiken Co., 10,203 lb. reinforcing, State Highway Engineer, Columbia, engr.; concrete curbing, asphaltic paving, etc., 0.677 mi. State Route 10, Federal Aid Project 170, Laurens Co. E. D. Sloan, Greenville, engr.

S. C., Conway — Feb. 18, at office City Clerk, paving and municipal improvements. Johnson & Roberts, Marion, civil engr.; adv. E. N.-R. Feb. 4.

Fla., Miami—Davenport & Rich taking bids approximately 10 mi. oiled sand on 8 in. rock surfacing and approximately 20 mi. 5 ft. sidewalks on 206 acre tract adjoining development of Westward Heights. $200,000.

Ala., Birmingham — Feb. 15, by City Comn., concrete paving 8 blocks Pike Rd. and Graymont Ave., 26 and 46 ft. $47,150, and 5 blocks Huntsville Rd. and 24th St., 30 ft., $21,370; also curbing, guttering, sidewalks and concrete paving 6 blocks 20th St., Ensley, 40 ft., $26,580. A. J. Hawkins, city engr.

Louisiana—Feb. 18, by State Hy. Comn., Baton Rouge, graveling 2.43 mi. Colfax-Pollock Highway, State Project 393-B-1, Grant Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Louisiana—Feb. 23, by State Hy. Comn., Baton Rouge, 1,448 cu.yd. washed gravel, f.o.b. cars at Rhinebardt, for surfacing Jena-Rhinehardt Highway, State Project 153-D, La Salle Parish. W. B. Robert, Reymond Bldg., highway engr. Noted Nov. 19.

Louisiana—Mar. 2, by State Hy. Comn., Baton Rouge, graveling 8 mi. Logansport-Gloster Rd., State Project 450-B, De Soto Parish; and 4.23 mi. Sorrento-Bayside Highway, State Project 350-E, Ascension Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Indiana—Feb. 28, by Comrs. Hancock Co., Greenfield, grading, concrete paving, etc., 1½ mi. Shirley Rd., 20 ft., for Henry Co. (New Castle) and Hancock Co. (Greenfield). $28,000. Noted Jan. 7.

Ind., Auburn—Feb. 8, by C. Kain, engr., Auburn, grading and graveling 4.2 mi. Nicholls Rd., 26 ft., for De Kalb Co. $27,000. Noted Jan. 21.

Ind., Decatur—Feb. 8, by D. Boch, engr., Decatur, waterbound macadam paving 3 mi. Fetters Rd., $27,500; 2.9 mi. Gerbert Rd., $28,000; also 2.7 mi. Boerger Rd., $27,000, all 26 ft., for Adams Co. Noted Jan. 28.

Ind., Hartford City—Feb. 19, by City Engineer, sheet asphalt on concrete surfacing 12,820 sq.yd. Weber St., $26,200; and 10,560 sq.yd. East Commercial St., $25,500. Noted Jan. 28.

Ind., Plymouth — Feb. 8, by J. Hildebrand, engr., Plymouth, graveling and grading 4 mi. Lake Rd., 26 ft., for Marshall Co. $26,000. Noted Jan. 28.

Ind., Terre Haute—Feb. 8, by G. Grimes, engr., Terre Haute, concrete surfacing 10,560 sq.yd. Jackson Rd., $25,942; 8,800 sq.yd. Fisbeck Rd., Sect. 2, $26,896; and 12,320 sq.yd. Fisbeck Rd., $28,800, for Vigo Co. Noted Jan. 28.

Ill., Naperville—Feb. 8, by City, grading, curbing, guttering and concrete paving approximately 27,000 sq.yd. Ogden Ave. Addition. Wells Eng. Co., Court House, Geneva, engrs.

Wis., La Crosse—Feb. 10, by Bd. Pub. Wks., W. J. Fries, secy., improving 21st Pl., 23rd, Hagar, Logan, 19th and King Sts., 10,794 lin.ft. combination concrete curb and gutter, 16,639 sq.yd. vertical fibre brick, asphaltic concrete, asphaltic macadam, rein.-con., Warrenite or vibrolithic concrete paving, and 1,997 sq.yd. paving in track zone. To exceed $25,000. C. C. Congdon, City Hall, engr.

Minn., Duluth — Feb. 11, by W. H. Tischer, city comr., grading, gravel surfacing, etc. 2.25 mi. Western Duluth Blvd. extension, 40 ft. $100,000. J. Wilson, city engr.

Nebraska—Feb. 24, by Dept. Pub. Wks., State House, Lincoln, **(F. A. P. means Federal Aid Project)**, gravel surfacing, etc., 6.5 mi. Laurel-Wayne Rd., F. A. P. 4, and 6.7 mi. Yankton-Bridge Fordyce Rd., State Aid Project 72-C, both in Cedar Co.; 11.2 mi. Blair Rd., F. A. P. 23, Washington Co.; 8.2 mi. Wahoo-Yutan Rd., F. A. P. 235-C, and 1 mi. Ceresco Cutoff, F. A. P. 27-G, both in Saunders Co.; 6.3 mi. Osceola-David City Rd., F. A. P. 29, Polk Co.; 3.3 mi. Homer-Walthill Rd., F. A. P. 49-A, Dakota Co.; 12 mi. same road, F. A. P. 49-C, Thurston Co.; 1.1 mi. Milford-Dorchester Rd., F. A. P. 55-A, 1.9 mi. F. A. P. 55-B, 5 mi. Friend-Exeter Rd., F. A. P. 55-C, all in Saline Co.; 0.1 mi. Pawnee City Rd., F. A. P. 97-B, Pawnee Co.; 5.1 mi. Union-Elmwood Rd., F. A. P. 256-A, 6.5 mi. Eagle-Elmwood Rd., F. A. P. 153-A, 2 mi. road west of Eagle, F. A. P. 133-C, and 0.7 mi. road in Greenwood Twp., F. A. P. 107-E, all foregoing in Cass Co.; 3.7 mi. Auburn-Johnson Rd., F. A. P. 116-A, Nemaha Co.; 9.7 mi. Syracuse-Palmyra Rd., F. A. P. 133-F, Otoe Co.; 8.4 mi. Milford-Dorchester Rd., F. A. P. 134-B, Seward Co.; 0.7 mi. Capitol Highway, F. A. P. 208-B, and 382 sq.yd. Capitol Highway, F. A. P. 208-C, both in Richardson Co.; 11.9 mi. Chester-Hebron Rd., F. A. P. 241-A, Thayer Co.; 12.46 mi. Fairbury-Western Rd., F. A. P. 247-A, Jefferson Co.; 12.9 mi. Fremont-Hooper Rd., F. A. P. 263-B, Dodge Co.; 14.7 mi. Randolph-Plainview Rd., F. A. P. 268-A, Pierce Co.; and 7.5 mi. Waterbury-Allen Rd., F. A. P. 270-A, Dixon Co. R. L. Cochran, Lincoln, highway engr.

Nebraska—Feb. 25, by Dept. Pub. Wks., State House, Lincoln, **(F. A. P. means Federal Aid Project)**, gravel surfacing, etc., 21.6 mi. F. A. P. 7-C Adams Co., 1.5 mi. Max Doane Rd., F. A. P. 41-B Dundy Co., 13.6 mi. Bartlett-Spalding Rd., F. A. P. 59-A Wheeler Co., 6.4 mi. Alma-Orleans Rd., F. A. P. 71 and 71-D Harlan Co., 0.5 mi. Kearney-Pleasanton Rd., F. A. P. 73-B Buffalo Co., 9.3 mi. Doane-Parks Rd., F. A. P. 74-A Dundy Co., 5.7 mi. Neligh-Sough Rd., F. A. P. 83-A, and 6.4 mi. Clearwater-Ewing Rd., F. A. P. 139-G both in Antelope Co., 14 mi. Hebron-Nelson Rd., F. A. P. 164-B and C Nuckolls Co., 16 mi. Bassett-Stuart Rd., F. A. P. 168-B Rock Co., 6.2 mi. Ord-Arcadia Rd., F. A. P. 193-B Valley Co., 2.7 mi. Minden-Newark Rd., F. A. P. 196 Kearney Co., 8.4 mi. O'Neill-Ewing

See proposal advertisements on page 155, Advertising Section.

Streets and Roads (Continued)

Rd., F. A. P. 200-A Holt Co., 0.521 mi. Orleans-Oxford Rd., F. A. P. 240-A Harlan Co., 13 mi. Ravenna-Grand Island Rd., F. A. P. 276-B Buffalo Co., 2.7 mi. Niobrara-Monawi Rd., F. A. P. 280-C Boyd Co., 0.8 mi. Kearney-Newark Rd., F. A. P. 283-A, Kearney Co.; also constructing two 30 ft. I-beam approach spans and one 60 ft. truss bridge on pedestal piers, etc., on Niobrara-Monawi Rd., F. A. P. 280-C, Boyd Co. R. L. Cochran, Lincoln, highway engr.

Nebraska—Feb. 26, by Dept. Pub. Wks., State House, Lincoln, **(F. A. P. means Federal Aid Project)**, gravel surfacing, etc., 7 mi. Elwood-Smithfield Rd., F. A. P. 11, Gosper Co.; 15.6 mi. Litchfield-Broken Bow Rd., F. A. P. 22, also Sections B, C, D and E, Arnold-Merna Rd., F. A. P. 96-C, and 4.8 mi. same road F. A. P. 188-C, Custer Co.; 7.2 mi. Lexington-Elwood Rd., F. A. P. 252-A, and 19.5 mi. Overton-Cozad Rd., F. A. P. 39, both in Dawson Co.; 3.4 mi. McCook-Bartley Rd., F. A. P. 46, Red Willow Co.; 7.8 mi. Hayes Center West Rd., F. A. P. 63-A, Hayes Co.; 1.7 mi. Culbertson-Trenton Rd., F. A. P. 68-D, Hitchcock Co.; 6.6 mi. Hyannis-Seneca Rd., F. A. P. 80-B, Hooker Co.; 3.5 mi. Chadron-Bordeaux Rd., F. A. P. 124-B, Dawes Co.; 10.7 mi. Loomis-Bertrand Rd., F. A. P. 251-B, and 3.4 mi. Atlanta-Oxford Rd., F. A. P. 145-C, both in Phelps Co.; 9.2 mi. Kimball-Dix Rd., F. A. P. 147-A, Kimball Co.; 10.2 mi. Sidney-West Rd., F. A. P. 149-D, Cheyenne Co.; 10.9 mi. Merriman-Gordon Rd., F. A. P. 202-A, 11.9 mi. Merriman-Eli Rd., F. A. P. 202-D, and 13.5 mi. Eli-Cody Rd., F. A. P. 202-E, all foregoing in Cherry Co.; also 10.5 mi. Grant-Branden Rd., F. A. P. 264-A, Perkins Co. R. L. Cochran, Lincoln, highway engr.

Neb., Omaha—Feb. 9, by J. P. Hoctor, city clk., improving various streets and alleys in Dists. 2444, 2549, 2620, 2665, 2726, 2749, 2765, 2768, 2781, 2794, 2799, 2850, 2855, 2861, 2867, 2879, 2880, 2887, 2890, 2894, 2902, 2911, 2486, 2487, 2659, 2672, 2677, 2843, 2868 and 2924, etc. H. Beal, City Hall, engr. Former bids rejected. Noted Jan. 7.

Tex., Georgetown—Feb. 22, by G. Keahey, city secy., curbing, guttering and paving 40,000 sq.yd. various streets, for City. $70,000.

Tex., Groesbeck — Feb. 15, by H. F. Kirby, judge Limestone Co., rein.-con. or brick paving 7.5 mi. Reunion Grounds and Shiloh Rds., 18 ft. H. Boyette, Pittman Bldg., Mexia, engr.

Tex., Hallettsville — Lavaca Co. taking bids paving 11.07 mi. State Highway 3-B, State Aid Project 320, Unit 2, with gravel with ½ in. limestone rock asphalt, double bituminous surface, 6 in. compacted waterbound macadam with 2½ compound bituminous macadam course, 4 in. gravel and 4 in. waterbound macadam with ½ limestone rock asphalt or double bituminous surface treatment. $142,000. W. H. Koether, Hallettsville, engr.

Tex., San Angelo — Feb. 9, by C. E. Starkie, engr., San Angelo, improving various streets, 7,000 yd. excav., 12,000 ft. curbing and guttering, 45,700 yd. standard paving, etc., for City. $130,000.

Calif., San Diego — Feb. 15, by A. H. Wright, city clk., improving Vermont, Essex and Herbert Sts., 189,040 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete paving, 693 lin.ft. concrete curbing, 3,351 sq.ft. concrete sidewalk, 212 cu.yds. excav., etc.; also Muir Ave., 2,873 cu.yds. excav., 125,593 sq.ft. 1½ in. asphaltic concrete on 3 in. bituminous paving 33,264 sq.ft. concrete sidewalk, 6,200 lin.ft. 8 in. and 50 lin.ft. 6 in. concrete curbing, etc. F. A. Rhodes, city engr. Noted Dec. 10 and Jan. 28.

Calif., Sacramento—Sacramento Co. taking bids grading, graveling, etc., 20,000 cu. yd. Joint Highway Dist. 4. C. W. Deterding, Jr., Sacramento, co. engr. Noted Dec. 31.

BIDS RECEIVED

W. Va., Buckhannon—City Council, Jan. 20, rein.-con. paving 9 projects, from Phillips & Withers, Buckhannon, $88,000. Noted Jan. 7.

Louisiana — State Hy. Comn., Baton Rouge, Jan. 26, graveling 6.82 mi. Crowley-Eunice Highway, State Project 552 A, Acadia Parish, from Wimberly & Barbour, Churchpoint, $23,620; 8.49 mi. Jena-Jonesville Highway, Federal Aid Project 166 A, Catahoula Parish, from A. M. Weeks, Alexandria, $19,647; 5.15 mi. Lake Charles-Lake Arthur Highway, Combination 1, State Project 512 A, Jefferson Davis Parish, from I. M. Goldberg, Abbeville, $46,899, Combination 2, from Banta & Mastersbaugh, Lake Charles, $50,138; 0.72 mi. Opelousas-Ville Platte Highway, State Project 386 C, Landry Parish, from J. Ham, Baton Rouge, $3,440. Noted Jan. 7 and 14.

Ohio—Dept. Highways & Pub. Wks., Columbus, Jan. 22, grading and paving with **(a)** brick **(b)** rein.-con. **(c)** concrete **(d)** asphaltic macadam **(e)** tar macadam **(f)** waterbound macadam **(g)** furnishing and delivering Hillside and Standard brick **(1)** 1.36 mi. Sect. "C" Nines-Ashtabula Rd., Ashtabula Co. **(2)** 1.011 mi. Sect. "Ripley," Ripley-Hillsboro Rd., Brown Co. **(3)** 0.229 mi. same road **(4)** 4 mi. Hamilton-Eaton Rd. Sect. "H," Butler Co. **(5)** 2.49 mi. Sect. "B-2" Chagrin Falls-Cuyahoga Rd., Cuyahoga Co. **(6)** 0.937 mi. Sect. "Chagrin Falls," Chagrin Falls-Cuyahoga Falls Rd., Cuyahoga Co. **(7)** 2.45 mi. Sect. "C" Hambden-Andover Rd., Geauga Co. **(8)** 3.105 mi. Sect. "K-2" Jackson-McArthur Rd., Jackson Co. **(9)** 3.906 mi. Sect. "M" Cleveland-East Liverpool Rd., Mahoning Co. **(10)** 2.319 mi. Sect. "A" Twinsburg-Elyria Rd., Summit Co. **(11)** 2.319 mi. Sect. "Macedonia" Twinsburg-Elyria Rd., Summit Co. **(12)** 3.436 mi. Sect. "Northfield" Twinsburg-Elyria Rd., Summit Co., from Uncapher & Gillespie, Marion, **(d1)** $26,993 **(e1)** $26,933; from Losey Eng. & Supply Co., Kenton, **(e2)** $30,747 **(e3)** $9,673; from Bigler Bros., Middleton, **(e4)** $118,554; from Craig & Jordon, Blanchester, **(d4)** $125,377 **(e4)** $126,332; from Homeberger-Wager Co., Camp and Filmore Sts., Sandusky, **(a5)** $112,900 **(g5)** $35,735 **(a6)** $44,900 **(g6)** $14,424 **(c7)** $67,400 **(g10)** $70,700 **(c11)** $73,400 **(b12)** $111,900 **(g12)** $7,939; from Holmes Constr. Co., Wooster, **(b5)** 104,359 **(c9)** $115,201; from Cleveland Trinidad Paving Co., The Arcade, Cleveland, **(a6)** $47,544; from W. Sousley Co., Ada, **(f7)** $57,719; from C. J. Uible, Hillsboro, **(e8)** $87,977; from Brewer & Brewer Sons, Chillicothe, **(d8)** $97,797; from Miller Bros., Gallipolis, **(e8)** $97,129; from J. D. Paxon, Salem, **(d9)** $116,677 **(e9)** $116,677; from Mellert-Weider Co., Medina, **(g10)** $5,039. Noted Jan. 14.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, Jan. 27, **(S. R. means State Road and e. e. engrs. est.)**, paving 9.6 mi. S .R. 25 from Angola to Ohio State line, Steuben Co., from J. C. O'Connor & Sons, 209 Central Bldg., Ft. Wayne, $184,951 e. e. $210,886, 8.9 mi. S. R. 7 from Huntington to Roanoke, Huntington Co., from Cunningham Constr. Co., Rockvale Rd., Indianapolis, $153,275 e. e. $181,425, 8.9 mi. S. R. 10 from Terre Haute to Lyford, Vigo and Parke Counties, from J. F. Kelley & Co., Terre Haute, $128,225 e. e. $162,277, 8.9 mi. S. R. 10 from Boswell to Earl Park, Benton Co., from Western States Paving Co., Davenport, Ia., $151,909 e. e. $188,105, 10.4 mi. S. R. 10 from Hazleton to Vincennes, Knox Co., from Lenahans & Konen, Vincennes, $159,114 e. e. $204,188, all foregoing 20 ft.; grading 4.6 mi. S. R. 16 from Lincoln City to Santa Claus, and 4.5 mi. S. R. from Santa Claus to St. Meinrad, Spencer Co., 30 ft., from J. C. Ellis, Rockport, $44,611 and $38,240 respectively, e. e. $63,366 and $54,118 respectively. Noted Jan. 14.

Calif., La Mesa—Grading and 5 in. concrete paving approximately 165,000 sq.ft. Chollas Rd., from D. H. Ryan, 1615 Fern St., San Diego, $0.16 per sq.ft. Noted Jan. 7.

Calif., Los Angeles — From W. L. Liddington, 420 East 60th St., improving portion of Temple St., 136,225 sq.ft. 8 in. concrete paving $0.239 per ft., grading $3,416, etc., total $44,960; from C. P. Day Corp., 35 North Raymond Ave., Pasadena, Ave. 46 between York Blvd. and Mount Eagle Pl., 141,559 sq.ft. 5 in. cnocrete paving $0.167 per ft., 498,311 sq.ft. 5 in. concrete with expansion joints $0.17, and 248,428 sq.ft. 6 in. concrete with expansion joints $0.20, etc., total $351,920; from G. H. Oswald, 266 East 58th St., portion of Manchester Ave., grading $2,500, 98,616 sq.ft. 6 in. concrete paving $0.195, etc., total $31,672, and San Marino St. between Magnolia and Kingsley Dr., grading $7,500, 167,725 sq.ft. asphalt paving $0.21 per ft., etc., total $50,755. Noted Dec. 17.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 10,155 ft. highway in Bedford and Lexington, to J. H. Fannon, 28 Hinkley St., Somerville, $56,903; rein.-con. and bituminous paving 20,187 ft. highway in Brockton and Bridgewater, to C. Biancia & Co., Inc., Framingham, $199,891; bituminous concrete paving 15,400 ft. highway in Chatham, to A. D. Bridges & Sons, Hazardville, Conn., $47,447. Grand total $304,241. Noted Dec. 10.

Massachusetts—Dept. Pub. Wks., Boston, bituminous concrete paving 21,521 ft. highway in Dennis, also rein.-con. and bituminous macadam paving 14,056 ft. highway in Yarmouth, to Lane Constr. Co., 37 Colony St., Meriden, Conn., $318,000 and $46,765 respectively; bituminous macadam paving 6,400 ft. highway in Ayer and Littleton, to R. H. Newall Co., Uxbridge, $41,555. Grand total $406,320. Noted Dec. 10.

North Carolina — State Hy. Dept., Raleigh, to Foster Constr. Co., Wilkesboro, grading, paving etc. 6.61 mi. Project 477, Wake Co., 500 cu.yd. drainage ditch excav. at $0.50 per cu.yd., 52,400 cu.yd. borrow and common excav. $0.40, 69,840 sq.yd. plain concrete $2.52, 11,290 lb. reinforcing, etc. $0.07, total $209,319; to Coastal Constr. Co., Florence, S. C., 9.15 mi. Project 6610, Richmond Co., 700 cu.yd. drainage ditch excav. $0.40, 105,800 cu.yd. excav. and borrow $0.45, 75,930 sq.yd. concrete base and header course $1.42 66,440 sq.yd. asphaltic surfacing $1.06, etc., total $238,466. Noted Dec. 24.

North Carolina — State Hy. Dept., Raleigh, to Hagedorn Constr. Co., Greensboro, grading and concrete paving 4.71 mi. Project 597, Rockingham Co., 100 cu.yd. drainage ditch excav. at $0.70 per cu.yd., 4,700 cu.yd. common excav. $0.49, 3,000 cu. yd. borrow excav. $0.45, 41,720 sq.yd. plain concrete $2.58, etc., total $112,151; to Coastal Constr. Co., Henderson, 5.62 mi. Project 471, Vance Co., 100 cu.yd. drainage ditches $0.75, 10,100 cu.yd. common excav. and borrow $0.60, 59,330 sq.yd. concrete base course $1.65, etc., total $158,961. Noted Nov. 12.

Fla., Fort Lauderdale—Comrs. Broward Co., grading and paving 29.7 mi. Stone Rd., 30 ft., to F. N. Brown, Del Ray, approximately $900,000. Noted Dec. 31.

La., Gretna — Jefferson Parish, grading and warrenite bitulithic on bituminous concrete paving 3.66 mi. Metairie-Shrewsbury Highway, 20 ft., to Southern Roads Co., Whitney Bank Bldg., New Orleans, $136,012. Noted Jan. 14.

Ill., White Hall—Grading, curbing, guttering and 7 in. rein.-con. paving 22,200 sq. yd. Main St., to Devine Constr. Co., Papineau, $67,945. Noted Dec. 3.

Ia., Bloomfield—Davis Co., grading 289,832 cu.yd. Federal Aid Project 209, to J. C. Parquette, 2347 Capitol Ave., Des Moines, $80,929.

Ia., Council Bluffs—W. A. Groneweg, city clk., curbing, guttering, grading and paving approximately 29,630 sq.yd. various streets, to J. J. Wickham, Council Bluffs. Noted Jan. 14.

Minn., Willmar — J. W. Haines, aud. Kandoyohi Co., improving 7.5 mi. Job 2604, Road 19, 125,511 cu.yd. excav., 76,015 cu. yd. overhaul, etc., to N. Lofgren, 3331 Aldrich Ave. N., Minneapolis, $33,495. Noted Jan. 14.

Neb., McCook — Paving various streets in Dist. 8, to Allied Contractors, Inc., 1803 Douglas St., Omaha, $220,000.

Tex., Ennis — Paving 30,000 yd. various streets, to Central Bitulithic Co. Praetorian Bldg., Dallas, $105,600.

Washington—State Hy. Dept., Olympia, grading and crushed gravel surfacing 3.95 mi. State Rd. 11, Franklin Co., to Payne & Doust, 406 Lindell Bldg., Spokane, $38,865, 1 mi. State Rd. 3, Asotin Co., to H. S. Barr, Colfax, $12,248; 0.33 mi. State Rd. 14, Kitsap Co., to J. Weeks, R. F. D. 7, Box 464, Seattle, $10,621, 9.7 mi. State Rd. 14, Kitsap Co., to M. S. Phillips, 507-09 California Bldg., Tacoma, $7,956, 5.79 mi. State Rd. 8, Skamania Co., to Coyle Constr. Co., 901 Westlake Ave. N., Seattle, $136,407; crushed gravel surfacing 4,000 cu.yd. State Rd. 3, Benton Co., to O. S. Brown, Prosser, $3,200, and 8,000 cu.yd. State Rd. 3, Benton Co., to Campbell Constr. Co., Sunnyside, $4,320. Grand total $213,617. Noted Jan. 7.

Wash., Bellingham — Gravel surfacing East Maple St. and Happy Valley Rd., to C. E. Lind, Bellingham, $25,895.

Wash., Seattle — Bd. Pub. Wks., one course concrete sidewalks on 10,800 sq.yd. 8th Ave. N. E. et al., to Paduano & Co., 1546 12th St. S., $41,622. Noted Jan. 21.

Calif., Los Angeles—Supervs. Los Angeles Co., curbing, guttering, walks and concrete paving 158,845 sq.ft. Grevillea St. between Inglewood and Hawthorne city limits, to T. T. Crawford, 1st Natl. Bank Bldg., Pomona, $57,735. Noted Jan. 28.

Calif., Los Angeles — Concrete paving Burnett Ave. between Lassen and Roscoe Sts., to J. Martin, 789 Lyon St., $47,865; curbing, guttering, concrete paving, etc. El Centro Ave. between Santa Monica Blvd. and Melrose Ave., to W. Liddington, 1809 South Vermont Ave. $32,375; concrete and asphaltic concrete paving portion of Ave. 33, to Chalmers & Ford, H. W. Hellman Bldg., $235,145. Grand total $315,385. Noted Jan. 28.

Calif., Pacific Grove—Concrete curbing, guttering and 1½ in. asphaltic concrete surfacing 101,800 sq.ft., etc., portion of Gibson St., to Clark & Henery Constr. Co.,

See proposal advertisements on page 155, Advertising Section.

Streets and Roads (Continued)

Chancery Bldg., San Francisco, approximately $26,500.

Calif., Watts—For 5 in. concrete paving, curbing, walks, etc., on Gorman Ave. between 107th St. and Santa Ana Blvd., to G. H. Oswald, 366 East 58th St., Los Angeles, $30,050.

Buildings—Industrial

PROPOSED WORK

Vt., Bellows Falls—POWER PLANT—New England Power Co., 35 Harvard St., Worcester, having preliminary plans prepared power house and canal, here. $3,000,000.

Mass., Quinsigamond (Worcester P. O.)—BILLET and ROD MILL—Amer. Steel & Wire Co., C. S. Marshall, genl. mgr., plans billet and rod mill, South Works. To exceed $1,000,000.

Mass., Reading — WORKSHOP and GARAGE — Town, Electric Dept., Town Hall, plans workshop and garage. $40,000 or $50,000.

N. Y., Albany—ICE PLANT—City Ice & Fuel Co., H. O. Norval, pres., 6610 Euclid Ave., Cleveland, O., having plans prepared by C. C. Coneby, engr. and archt., 3220 Jefferson Ave., Cincinnati, O., 1 story, 160 ton, brick, steel and concrete ice plant, here.

N. Y., Buffalo — LAUNDRY — Modern Laundry, 323 Niagara St., plans rebuilding plant, Niagara St., recently destroyed by fire. $60,000.

N. Y., Buffalo—PAPER BOX FACTORY—Midland Paper Box Co., 72 East Utica St., plans rebuilding factory, East Utica St., recently destroyed by fire. $40,000.

N. Y., Buffalo—STORAGE and WAREHOUSE—Delaware Storage Warehouse, Dakota and Delaware Aves., plans storage and warehouse, Dakota St. $50,000.

N. Y., Glendale (mail Brooklyn)—BOX and PAPER MILL—Pequot Mfg. Co., Thompson Ave., Long Island City, plans 8 buildings, steel, for box and paper mill, Schmidt Farm, here. $2,000,000.

N. Y., Long Island City—PAPER PLANT—Hygrade Corrugated Paper Products Co., Manley St., plans brick, steel and stone, plain foundation, Hunters Point Ave. and Orton St. $1,000,000. Engineer and architect not selected.

Pa., Phila.—FACTORY—C. E. Johnson Co., 10th and Lombardi Sts., having plans prepared by E. G. Perrot, 1211 Arch St., 1 story and basement, 50 x 80 ft., brick and steel, plain foundation, Swanson and Porter Sts.

Pa., Phila.—MILL—A. J. Sauer & Son, archts., Schaff Bldg. soon lets contract 1 story and basement, 86 x 192 ft., rein.-con. and brick, plain foundation, Erie and Amber Sts., for Artcraft Silk Hosiery Mills, Erie and Amber Sts. $60,000.

W. Va., Charleston — WAREHOUSE and BOX SHOP—Owens Bottle Co., 1401 Nicholas Bldg., Toledo, O., having revised plans prepared by Devore Co., 908 Nicholas Bldg., Toledo, O., engrs., and takes bids about Feb. 6, 2 story, 120 x 1,035 ft. warehouse and box shop, here.

Fla., Coral Gables — COLD STORAGE and ICE PLANT — Florida East Coast Utilities, Miami, having plans prepared by Ophuls & Hill, Inc., 112 West 42d St., New York City, N. Y., 22 story, 2,000,000 cu.ft. storage space, rein.-con., Greco Ave. and Le Jeune Court. $1,400,000.

Fla., Orlando — FACTORY, WAREHOUSE and OFFICE—Florida Agricultural Supply Co. having plans prepared by H. M. Reynolds, Orlando Bank & Trust Bldg., 125 x 140 ft. factory, and 47 x 125 ft. warehouse, concrete and steel. $115,000.

Ala., Andalusia — FACTORY — J. C. Scherf, treas. Anadala Co., Inc., soon takes bids 3 story and basement, 50 x 125 ft. factory. Private plans.

O., Cleveland—CEMENT PLANT—Universal Portland Cement Co., 210 La Salle St., Chicago, Ill., purchased site and plans cement plant, along Cuyahoga River, here. $2,000,000.

O., Cleveland — FACTORY — J. Roemer, Rose Bldg., having plans prepared 4 story and basement, 81 x 130 ft., rein.-con. and brick, East 22nd St. $150,000. Engineer and architect not announced.

O., Cleveland—LAUNDRY—Progressive Laundry Co., S. Kohner, pres., 13402 Glenside Ave., had plans prepared by C. Steiner, 5114 Hamm Ave., 1 story, 110 x 116 ft., brick and steel, Glenside Rd. $40,000.

O., Mt. Sterling—FACTORY—Mt. Sterling Canning Co., c/o B. H. Schadel and D. S. Cochran, Washington C. H. (owners), plan factory, here. $60,000-$75,000.

O., Willoughby—ICE PLANT—City Ice & Fuel Co., 1935 Euclid Ave., Cleveland, making plans 2 story and basement ice plant, here. $85,000. Private plans.

O., Zanesville—PLANT—Federal Radiator Co. having plans prepared 42 x 300 ft., brick and steel addition. $125,000. Private plans.

Ill., Chicago—FACTORY—H. S. Lovejoy, Janesville, Wis., having preliminary plans prepared by J. B. Cowning Eng. Co., 30 North La Salle St., 6 story, 120 x 185 ft., brick and timber, Elston Ave. and West Division St. $400,000.

Ill., Jacksonville—POWER PLANT—City had plans prepared electric power plant, two 500 kw. turbo-generators and condensers, 300 hp. reservoir and stoker, poles, lines, etc. $100,000. H. L. Caldwell, Jacksonville, engr.

Okla., Okmulgee—PLANT—Independent Oil & Gas Co., c/o Commerce Investment Co., having preliminary plans prepared enlarging plant, incl. 1,000 bbl. Jenkins cracking still and contact filtering system, etc. $150,000.

Okla., Talihina—POWER PLANT—McCurtain Light & Power Co. plans light and power plant. $40,000.

Okla., Woodward — CREAMERY — Armor & Co., 208 S. La Salle St., Chicago, Ill., having preliminary plans prepared 2 story and basement, 80 x 165 ft., brick, plain foundation, Railroad St. $150,000. Engineer and architect not announced.

California—POWER PLANT—See "Unclassified."

Calif., Los Angeles—MILL—Los Angeles Planing Mill Co., 1800 Industrial St., plans rebuilding plant, recently destroyed by fire. $200,000 loss.

Calif., Marysville — SUB-STATION — Pacific Gas & Electric Co., 245 Market St., San Francisco, plans sub-station near Barry St. $60,000. Eng. Dept. of Owners, engrs.

Calif., Petaluma—MACHINE SHOP and GARAGE—Murphy Chevrolet Co. having plans prepared by B. Jones, Washington and Liberty Sts., 1 story, 50 x 175 ft., timber and galvanized iron, Main St.

Calif., San Francisco — PUBLISHING PLANT, etc.—Traung Label & Lithograph Co., 962 Battery St., having plans prepared 2 story and basement, rein.-con., Pacific St. near Battery St. $160,000. Couchot & Rosenwald, 60 Sansome St., engrs.

Quebec—POWER PLANT—International Paper Co., 100 East 42nd St., New York City, plans 150,000 hp. plant near Farmers, here.

Que., Shawinigan Falls—PAPER MILL—St. Maurice Valley Corp. plans enlarging with 2 units paper mill, here. $2,500,000. H. Sorguis, Shawinigan Falls, engr.

Que., Shawinigan Falls—POWER PLANT—Shawinigan Water & Power Co., Ltd., plans 1 unit electric power plant and renewing 14 ft. penstock. $2,000,000. R. C. Lindsay, engr.

Que., Ste. Diduce—POWER PLANT—O. Dupesue, et al., Maisonneure, plans 100,000 hp. plant at Ste. Ursule Falls and Lauzon Falls, on River Maskinonge, here. $150,000.

BIDS DESIRED

Mass., Somerville (Boston P. O.) — PLANT—See "Contracts Awarded."

N. J., Newark—VARNISH FACTORY—Feb. 5, by Fletcher-Thompson Co., engrs. and archts., 350 Madison Ave., New York City, 3 story and basement, 60 x 220 ft., Railroad Ave., here, for Keystone Varnish Co., 71 Otsego St., Brooklyn, N. Y. $300,000.

Pa., Phila. — MANUFACTURING — See "Contracts Awarded."

O., Euclid — STEEL FABRICATING PLANT—See "Contracts Awarded."

O., Gallipolis—POWER HOUSE—Feb. 18, by Dept. Welfare, 9th and Oak Sts., Columbus, 1 story, 38 x 103 ft., brick and concrete, for State Institution for Epileptics, here. $65,000. H. H. Briggs, Ohio Hartman Bldg., Columbus, engr.

Ill., Chicago — FACTORY — Feb. 6, by F. A. Randall, structural engr., 160 North La Salle St., 2 story, 75 x 100 ft., brick and timber addition, 1650 Walnut St., for Jewell Electrical Instrument Co., 1650 Walnut St. $40,000.

Ia., Iowa City — POWER and BOILER HOUSE—Feb. 16, by Iowa State Bd. Educ., W. H. Gemmill, secy., 111 ft. unit generator 42 x 42 ft. high, 112 ft. boiler unit 42 x 62 ft. above grade, also coal and ash unit 40 x 58 ft., 74 ft. above grade, etc. $125,000. Proudfoot, Rawson & Souer, 810 Hubbell Bldg., Des Moines, archts.

Ark., Searcy—COTTON COMPRESS—See "Contracts Awarded."

CONTRACTS AWARDED

Mass., Medford (br. Boston)—FACTORY, BLACKSMITH SHOP and BOILER HOUSE—W. F. Lacey & Sons, Mystic Ave., 1 and 2 story, 65 x 100 ft., rein.-con. and brick, plain foundation, Mystic Ave., to Fran[illegible] Bros., 30 Mystic Ave. Archts. est. $40,[illegible]

Mass., Somerville—PLANT—Boston & Maine R.R., North Sta., Boston, F. A. Morrill, ch. engr., will build coke reclamation plant, brick and steel, Eastern Section, here. To exceed $40,000. Work will be done by separate contracts. Private plans.

Conn., Bridgeport — FACTORY — [illegible] Chain Co., State St., brick and steel addition, State St. and Mountain Grove Ave., to Aberthaw Constr. Co., 27 School St., Boston. Archts. est. $50,000.

N. J., Newark—GARAGE—L. Singer, 16 Brunswick St., 1 story, rein.-con., brick and steel, plain foundation, South St., to Standard Constr. Co., 972 Broad St. Archts. est. $60,000.

Pa., Chester — PLANT — B. R. Brown, constr. engr. Dept. Ford Motor Co., Highland Park, Mich., 1 and 2 story, 455 x 812 ft. assembling building, 1 story, 63 x 65 ft. power house, 1 story, 74 x 113 ft. car delivery, 1 story, 18 x 41 ft. pumphouse, 1 story, 60 x 113 ft. oil house and oil storage tanks, all rein.-con., brick and steel, wood pile foundations, Front St. and Delaware River, here, to Rust Eng. Co., 311 Ross St., Pittsburgh. Archts. est. $2,000,000. Noted Nov. 12.

Pa., Phila.—MANUFACTURING—J. S. Long, engr., 1619 North Robinson St., will build 2 story and basement, 60 x 216 ft., brick and steel, plain foundation, Grant and Venango Sts., for J. M. Kennedy, Jr. Real Estate, 4068 Van Pelt St. Engrs. est. $75,000. Work will be done by separate contracts.

Pa., Phila.—BRUSH MANUFACTURING—Elder & Jenks, Lancaster Ave. and Vine St., brick and steel, plain foundation, to J. S. Sunsohn Co., c/o owner. Archts. est. $60,000.

Pa., Pittsburgh — DRY CLEANING PLANT—Crandall McKenzie Co., Spencer St., general contract 2 story, basement and sub-basement, 31 x 79 ft., Spencer St., to Conley & DeMey, 120 North Highland Ave. Archts. est. $40,000. Noted Jan. 21.

Pa., Warren—FURNITURE FACTORY—Paramount Furniture Co., general contract 2 story, 80 x 220 ft., and 80 x 300 ft., brick and steel, to G. Brown, 7 Canton St.

Tenn., Nashville—PLANT—Victor Chemical Co., 4th and 1st Natl. Bank Bldg., R. P. Gates, supt. (1st unit) brick chemical plant, Centennial Blvd., to Foster-Creighton Co., 4th and 1st Natl. Bank Bldg., $50,000. Noted Jan. 28.

O., Cleveland — AUTO PAINT SHOP — Frankel Bros. Realty Co., 1520 Discount Bldg., 1 story, 57 x 90 x 139 ft., brick and steel, 1960 East 65th St., to M. Mikkelson, 10000 Euclid Bldg. Archts. est. $50,000.

O., Cleveland—FACTORY—Eclipse Electrotype & Engraving Co., E. H. Clark, pres., 2041 East 3rd St., 1 and 2 story, 67 x 160 ft., brick and steel, 1547 Superior Ave., to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $60,000.

O., Euclid — STEEL FABRICATING PLANT—Austin Co., W. J. Austin, pres., 16,112 Euclid Ave., East Cleveland, will build 1 story, 75 x 300 ft., brick and steel, Bliss St., by day labor. $50,000. Private plans.

Mich., West Detroit (mail Detroit) — POWER PLANT—Michigan Central R.R. retained Battey & Kipp, engrs., 123 West Madison St., Chicago, Ill., to design and construct power plant.

Ill., Chicago—STORAGE and SERVICE—G. C. Nimmons & Co., archts., 122 South Michigan Ave., general contract (1st unit) 240 x 928 ft., West 22nd and Throop Sts., to J. W. Snyder Co., 307 North Michigan Ave., for Commonwealth-Edison Co., 72 West Adams St. Archts. est. approximately $1,000,000. Noted Dec. 17.

Wis., Racine—FOUNDRY—Walker Mfg. Co., Hamilton St. and Michigan Blvd., 1 story, 92 x 121 ft., brick and steel addition, plain foundation, to C. O. Johnson, 224 Lafayette Ave. Engrs. est. $40,000.

Wis., West Allis — FOUNDRY — Wehr Steel Co., 45th and Gordon Aves., 1 story, 160 x 200 ft., brick and steel, plain foundation, here, to Klug & Smith, 69 Wisconsin St., Milwaukee.

Kan., Topeka—COLD STORAGE PLANT—Seymour Packing Co., 200 North Kansas St., 5 story and basement, 50 x 150 ft., rein.-con. and brick, to F. M. Spencer & Son, 1805 Harrison St.

Mo., St. Louis—FACTORY—A-C Brake Shop, 2739 Locust Blvd., 1 story and basement, 125 x 135 ft., rein.-con., brick and stone, Locust Blvd., to Natl. Refrigerators Co., 827 Koelb St.

Ark., Searcy—COTTON COMPRESS—Searcy Compress Co., S. W. Sanford, pres., will build 1 story, 200 x 320 ft., timber addition, plain foundation, increasing capacity to 20,000 bales, by day labor. Engineer and architect not announced.

See proposal advertisements on page 155, Advertising Section.

Buildings—Industrial (Continued)

Calif., Berkeley—FACTORY—Hall-Scott Motor Car Co., 5th and Snyder Sts., Oakland, 1 story, steel and corrugated iron, 5th and Snyder Sts., to Austin & Co. of California, 244 Kearny St., San Francisco, to exceed $40,000.

Calif., Oakland — FACTORY — Electric Products Crop., 1212 Mission St., San Francisco, 1 story, electric sign factory, brick and steel, 30th and Myrtle Sts., to Austin & Co. of California, 244 Kearny St., San Francisco, to exceed $40,000.

Calif., San Francisco—FACTORY—Herman Safe Co., 216 Fremont St., 1 and 2 story, 137 x 137 ft., rein.-con., wood pile foundation, Main and Howard Sts., to Cahill Bros., 55 New Montgomery St., $86,975. Noted Dec. 3.

Buildings—Commercial

PROPOSED WORK

Mass., Attleboro — THEATRE — Community Theatres, Inc., M. Kauffer, 171 Westminster St., plans theatre. $250,000. Engineer and architect not selected.

Mass., Belmont (br. Boston)—STORE and OFFICE—C. Toomey, Fritz-Carlton Hotel, Boston, having plans prepared by Haven & Hoyt, 45 Bromfield St., Boston, 2 story and basement, brick, Leonard St. $150,000.

Mass., Somerville (Boston P. O.)—OFFICE and WAREHOUSE — First Natl. Stores, Inc., c/o A. O'Keefe, having preliminary plans prepared by Monks & Johnson, engrs. and archts., 99 Chauncy St., Boston, brick and steel, Mystic and Middlesex Aves. $2,000,000.

R. I., Pawtucket—OFFICE—Owner, c/o W. Walker & Son, archts., 49 Weybosset St., Providence, plans brick and steel, Main St. $150,000.

R. I., Providence — STATE HOUSE — State House Comn., J. S. Holbrook, chn., had plans prepared by Jackson, Robertson & Adams, 1216 Turks Head Bldg., 3 story and basement, 60 x 210 ft. with 60 x 122 ft. wing, rein.-con., brick and steel, Smith and Davis Sts. $750,000. Noted June 11.

R. I., Providence — THEATRE, STORE and OFFICE—J. Hill Pierce, Inc., archts., 30 Allens Ave., soon lets contract superstructure 2 story, 60 x 95 ft. rein.-con. and steel, Bway. and Westminster St., for J. Conn, City Theatre, Weybosset St. Total $500,000. Noted Dec. 10.

Conn., Hartford — APARTMENT and GARAGE—G. W. Morris (in charge), 804 Farmington Ave., having plans prepared 10 story, 90 x 150 ft., stone, steel and terra cotta, Farmington Ave. $1,500,000. Engineer and architect not announced.

Conn., Middletown — OFFICE — P. J. Stueck, 460 Main St., having plans prepared by Ward & Kerrigan, 247 Park Ave., New York City, 50 x 100 ft., brick and terra cotta, Main St. $150,000.

Conn., New Britain—BANK—Commercial Trust Co., J. C. Loomis, pres., 274 Main St., had plans prepared by Hopkins & Dentz, 451 Lexington Ave., New York City, 6 story, 54 x 144 ft., brick, limestone and marble, West Main St. $500,000. Noted Aug. 28, 1924.

Conn., Wallingford—ADMINISTRATION—Gaylord Sanitorium, Cook Hill, takes bids about Mar. 1, 3 story, 50 x 125 ft., brick, tile and stucco, Cook Hill. $150,000. J. D. Kelly, 39 Center St., New Haven, archt. Noted June 25.

N. Y., Brooklyn—APARTMENT—Turner Building Co., S. S. Turner, pres., 50 Court St., plans 15 story, brick, steel and stone, plain foundation, Eastern Parkway, Underhill Ave. and Lincoln Pl. Engineer and architect not selected.

N. Y., Buffalo—OFFICE—W. J. Conners, 250 Main St., plans office building, Niagara Sq. $1,000,000.

N. Y., Larchmont — APARTMENT — F. Alexe, c/o Walker & Gillette, engrs. and archts., 128 East 37th St., New York City, having plans prepared 5 unit, 3 and 4 story, brick, steel and stone, plain foundation, 129 Boston Post Rd., here. $800,000.

N. Y., New York—OFFICE—Madison Ave. & 34th St. Corp., c/o H. I. Oser, engr. and archt., 1440 Bway., having plans prepared 23 story, 113 x 115 ft., brick, steel and stone, plain foundation, Madison Ave. $1,000,000.

N. Y., New York—THEATRE—Oltarsh Building Co., 36 West 44th St., having plans prepared by H. C. Severance, 36 West 44th St., brick, steel and stone, plain foundation, 2nd Ave. and 4th St. $1,000,000. D. M. Oltarsh, 36 West 44th St., engr.

N. Y., Southold—BANK—Southold Savings Bank having plans prepared by Francisco & Jacobus, engrs. and archts., 511 5th Ave., New York City, brick, steel and stone, plain foundation. $200,000.

N. J., Asbury Park — CONVENTION HALL—Bd. City Comrs., Main St. and Bangs Ave., receives tentative plans and sketches on or before Feb. 15, convention hall, theatre and amusement pier. $1,500,000. Warren & Wetmore, 16 East 47th St., New York City, consult. archts. Noted Nov. 19.

N. J., Newark—HOSPITAL—Beth Israel Hospital, 651 High St., soon takes bids group brick, steel and stone hospital buildings, plain foundations, Lyons Ave. $2,000,000. F. Grad, 1023 Broad St., engr. and archt. Noted Mar. 26.

N. J., Newark—HOSPITAL—F. Grad, archt., 1023 Broad St. soon lets contract 7 story and basement, 400 x 450 ft., rein.-con. and steel, plain foundation, Lyons Ave., for Beth Israel Hospital. $2,000,000.

N. J., Ridgewood—MUNICIPAL—Village having plans prepared by R. M. Hood, 40 West 40th St., New York City, probably 3 story and basement municipal building. $250,000.

Pa., Lewistown — OPERA HOUSE and LODGE—Lewistown Masonic Lodge, D. E. Miller, secy., 168 Pannebaker Ave., receiving competitive sketches, 3 story and basement, 100 x 120 ft., steel, concrete and limestone, Market St. $500,000.

Pa., Monongahela — BANK — Morgan French & Co., 19 West 44th St., New York City, soon let contract 3 story and basement, 60 x 80 ft., Main St., for Monongahela City Trust Co. $150,000. Noted Oct. 15.

Pa., Phila.—BANK and APARTMENT—Tioga Trust Co., 18th and Tioga Sts., having plans prepared by W. H. Lee, 1505 Race St., 9 story and basement, 50 x 150 ft., rein.-con., brick and steel, plain foundation, 17th and Tioga Sts. $600,000.

Pa., Phila. — STORAGE — W. E. Hance, archt., Hollyoak, Del. soon lets contract 3 story and basement, 150 x 230 ft., rein.-con. and brick, plain foundation, 5744-48 Vine St., for Security Storage Co., 5748 Vine St. $500,000.

Pa., Pittsburgh—STORE and OFFICE—O. Jubelier and M. Stambach, 709 Penn Ave., having plans prepared by Sharose & Freedman, Berger Bldg., 7 story and basement, 45 x 120 ft., brick and steel, Penn Ave. $200,000.

Pa., Williamsport—LODGE—Lodge 970 F. O. Eagles, 3rd and Basin Sts., M. H. Harmen, chn. building com., plans 2 story and basement, 80 x 100 ft., brick and steel addition, 3rd St. $150,000. Engineer and architect not selected.

Pa., Williamsport—THEATRE—Lycoming Amusement Co., c/o W. P. Wilson, treas. and genl. mgr., plans 2 story and basement, 48 x 160 ft., steel, brick and rein.-con., Pine St. $150,000. Engineer and architect not selected.

Md., Baltimore — APARTMENT and STORE—Owner, H. D. Caplan, agt., Munsey Bldg., having plans prepared by J. Freund, 1307 St. Paul St., 4 story and basement, 60 x 185 ft., brick and steel, plain foundation, Charles St. near Preston St. $150,000.

Md., Baltimore — HOME — Bureau of Catholic Charities, 403 North Charles St., E. L. Leonard, plans brick and steel, plain foundation, Wilkens Ave. $500,000. Engineer and architect not selected.

Md., Baltimore—INDUSTRIAL HOME—Salvation Army, Sharp and Montgomery Sts., had plans prepared by H. D. Chase, 120 West 14th St., New York City, 3 story, 80 x 100 ft., brick and steel, plain foundation, Fremont Ave., Brisco and Henrietta Sts. $150,000.

D. C., Wash.—BANK—Bank of Commerce & Savings, 7th and E Sts. N. W., retained Milburn, Heister & Co., archts., to prepare plans and take bids about Mar. 10, remodeling present building.

Ga., Atlanta—DOCTORS—Syndicate of Doctors having plans prepared by G. L. Preacher, Wynne Claughton Bldg., 12 story, 60 x 150 ft., Peachtree St. between Porter Pl. and Alexander St. $1,000,000.

Fla., Ft. Myers—THEATRE—E. Riley having sketches made by B. S. D. Martin, Ft. Myers, theatre, 1,700 seating capacity. $400,000.

Fla., Miami—APARTMENT—Davenport & Rich Investment Co. had plans prepared by Stuckert Co., 1420 Chestnut St., Phila., Pa., 15 story and basement, 96 x 190 ft., steel and tile, plain foundation, Bay Shore Ave. and 34th St. $3,000,000. Noted Jan. 28.

Fla., Miami — HOTEL — Luxor Constr. Co., c/o J. J. Jacobs and J. J. Schlesinger, 219 Northeast 1st Ave., plans Luxor Arms Apartment Hotel, 15 story, 100 x 100 ft., fireproof, 3rd St. and 20th Ave. $1,000,000.

Fla., Tampa—OFFICE—Peninsular Telephone Co., Zack and Morgan Sts., had plans prepared by M. L. Elliott, Citizens Bank Bldg., 12 story, 50 x 100 ft. addition. $400,000.

Fla., Tampa — STORE and OFFICE — Wolf Bros., Franklin St., purchased site and plan 6 story, 50 x 100 ft., Florida and Zack Sts.

La., New Orleans—HOTEL—Syndicate, c/o A. F. Commagere, member, 910 Gravier St., having plans prepared by S. S. Joy, 2001 West Pershing Rd., Chicago, Ill., and W. E. Spink, associated archt., Canal-Commercial Bldg., and takes bids probably in July, Tulane Hotel, 18 story, University Pl. and Common St.

Tenn., Murfreesboro—HOSPITAL—City and Rutherford Co. plan 48 bed hospital, North University St. $150,000.

O., Akron—AUTO SALES and GARAGE—North High St. Garage, W. Piedmore, pres., having plans prepared by F. F. Hodges, Hickox Bldg., 2 story and basement, 65 x 107 ft., brick, steel and concrete auto sales and garage. $150,000.

O., Cleveland — COMMERCIAL and APARTMENT — J. Kondash, 3436 East 153rd St., had plans prepared 3 story and basement, 50 x 140 ft., brick and steel, 8632 Buckeye Rd. $150,000. Private plans.

O., Columbus — HORTICULTURAL and AGRICULTURAL—Ohio Dept. Agriculture, State House, having plans prepared by H. H. Briggs, Ohio Hartman Bldg., part 1 and part 2 story, 98 x 300 ft., brick and concrete, Ohio State Fair Grounds. $165,000.

O., Columbus—Y. W. C. A., G. T. Spahr, chn. Finance Com., having sketches made 6 to 10 story, on 62½ x 187½ ft. site, 65 South 3rd St. $400,000-$500,000.

O., Zanesville—Y. W. C. A., c/o L. McCloud, having preliminary plans prepared by Howell & Thomas, 4500 Euclid Ave., Cleveland, 2 story and basement, brick, steel and concrete, incl. swimming pool. $150,000.

Mich., Detroit — GARAGE — Chevrolet Motor Co., 3044 West Grand Blvd., had plans prepared by A. Kahn, 1000 Marquette Bldg., 3 story and basement, 150 x 150 ft., rein.-con. and brick, plain foundation, Amsterdam Ave. $160,000.

Mich., Detroit — OFFICE — Cass Lafayette Building Co., C. J. Lingeman, Real Estate Exch. Bldg., having plans prepared by C. E. Schley, 1121 Lafayette Bldg., 26 story and basement, approximately 40 x 100 ft., rein.-con., brick and steel, caisson foundation, Cass Ave. and Lafayette Blvd. $1,500,000.

Mich., Detroit—OFFICE—Smith, Hinchman & Grylls, archts., 800 Marquette Bldg., soon lets contract 4 story and basement, rein.-con. and brick, Atwater St., for Park Davis & Co., 2951 Atwater St. $150,000. Noted Nov. 12.

Mich., Detroit—THEATRE and OFFICE—W. Fox Film Corp., Fox Washington Theatre, having plans prepared by C. H. Crane, 542 Griswold St., 12 story and basement, 70 x 150 ft., rein.-con., brick and steel, plain foundation, Woodward Ave. $2,000,000.

Ill., Chicago—APARTMENT—Hooper & Janusch, archts., 879 North State St., takes bids about Feb. 15, 16 story and basement, 50 x 140 ft., rein.-con., brick and steel, Cass and Delaware Sts., for C. W. Morris, 111 West Washington St. $1,750,000.

Ill., Chicago—APARTMENT—Universal Constr. Co., 139 North Clark St., takes bids about Feb. 15, 7 story, 51 x 161 ft., rein.-con. and brick, 1337 Birchwood Ave. $250,000. M. L. Bein, 64 West Randolph St., archt.

Ill., Chicago — APARTMENT HOTEL — A. H. Quitsow, archt., 11 South La Salle St., takes bids about Feb. 15, 6 story and basement, 48 x 109 ft., rein.-con. and brick, Lincoln and Ogden Aves., for Shoenlank & Kirschner, Sheridan Trust Bank Bldg. $250,000.

Ill., Chicago — BANK — W. H. Lantz, archt., 806 West 79th St., soon takes bids 3 story, 50 x 117 ft., rein.-con., brick and stone, South Halsted St. between 78th and 79th Sts., for Mutual Natl. Bank, 7829 South Halsted St. $250,000.

Ill., Chicago—CLUB—Midland Club, 25 East Jackson Blvd., having plans prepared by K. M. Vitzthum & Co., 307 North Michigan Ave., 26 story, 90 x 189 ft., rein.-con., brick, steel and stone, 168-178 West Adams St. $5,000,000. Noted Sept. 24.

Ill., Chicago—STORE and APARTMENT—C. H. Lenske, arch., 3755 Irving Park Blvd. soon lets contract 4 story, 87 x 334 ft. brick and terra cotta, Hamlin and Park Aves., for H. Shukas, 3801 West Lake St. $225,000.

Ill., Decatur—TEMPLE—Masonic Temple Assn. having plans prepared by Holabird & Roche, 104 South Michigan Ave., Chicago, and takes bids in March, rein.-con., brick and stone, plain foundation, William and Church Sts. $550,000. Noted July 16.

See proposal advertisements on page 155, Advertising Section.

Buildings—Commercial (Continued)

Ill., Downers Grove—THEATRE, STORE and APARTMENT—E. F. Behrens, archt., 605 North Michigan Ave., Chicago, preparing plans and takes bids about Feb. 15, 2 story, 114 x 207 ft., brick and terra cotta, Main St., here, for V. T. Lynch, 910 South Michigan Ave., Chicago. $500,000.

Ill., Evanston — STORE, APARTMENT and GARAGE—J. Loebl & N. J. Schlossman, archts., 612 North Michigan Ave., takes bids about Feb. 15, 3 story, 100 x 160 ft., and 4 story, 60 x 160 ft., rein.-con., brick and stone, Main St. and Elmwood Ave., for P. Finley, 111 West Washington St. $700,000.

Ill., Peoria — COLISEUM — City plans election in spring $2,000,000 bonds, coliseum. W. Mueller, mayor. Engineer and architect not selected.

Wis., Milwaukee — APARTMENT and STORE—I. Miller, 114 Grand Ave., plans 8 story and basement, brick and concrete, plain foundation, Wells and 13th Sts. $500,000. Engineer and architect not selected.

Ia., Cedar Rapids — MEMORIAL — City takes bids in spring rein.-con. stone and terra cotta memorial building. $800,000. Palmer & Hornbostle, Pittsburgh, Pa., archt. H. E. Hunter, 503 Security Bldg., and W. J. Brown, Bever Bldg., associated archts. Noted June 25.

Ia., Des Moines—LABOR TEMPLE—Labor Temple Assn. having preliminary plans prepared by Tinsley & McBroom, 601 Hubbell Bldg., 3 and 4 story and basement, 50 x 190 ft., rein.-con., brick and stone, 10th and Woodland Sts.

Minn., St. Paul—HOTEL—Arcade Investment Co., H. Lowry, pres., 600 Temple Court, Minneapolis, having plans prepared by L. Bassindale, 485 Endicott Bldg., 9 story and basement, rein.-con., brick and terra cotta or stone, 4th and Wabasha Sts. $1,000,000.

Neb., Hastings—THEATRE—Hostettler Amusement Co., 418 Brandise Bldg., Omaha, having plans prepared by J. Eberson Co., 212 East Superior St., Chicago, Ill., theatre, here. $200,000.

Neb., Omaha—BANK—Latenser & Sons, archts., Peters Trust Bldg., preparing plans and take bids about Apr. 1, probably 7 story and basement, 69 x 132 ft., brick and stone, 19th and Farnum Sts., for Union State Bank, 16th and Dodge Sts. $700,000. Noted Nov. 12.

Neb., Omaha — HOSPITAL — Methodist Hospital, 36th and Cumings Sts., having plans prepared by G. B. Prinz, 1037 Omaha Natl. Bank Bldg., 3 or more story and basement, brick addition. $350,000.

Neb., Omaha — SERVICE and WAREHOUSE—Metropolitan Utilities Dist., City Hall, having plans prepared by J. Latenser & Sons, Peters Trust Bldg., and takes bids about Mar. 15, 3 story and basement, 138 x 170 ft., 20th and Center Sts. $225,000. T. A. Leisen, City Hall, engr.

Neb., Omaha—STORE—Hayden Bros., 16th and Dodge Sts., J. Madden, pres., having plans prepared remodeling 4 story and basement department store, 16th and Dodge Sts. $250,000. Engineer and architect's names withheld. Noted Nov. 12.

Okla., Tulsa—STORE and OFFICE—Tulsa Building & Loan Assn., c/o C. Bruce, 4 East 5th St., having preliminary plans prepared by L. I. Shumway, New Wright Bldg., 9 story and basement, 40 x 80 ft., rein.-con., brick, stone and granite, plain foundation. $300,000.

Colo., La Junta — HOSPITAL — Mennonite Bd. of Missions, having plans prepared by Schmidt, Boucher & Overstreet, Natl. Bank Bldg., Wichita, Kan., for hospital. $150,000.

Calif., Alhambra — HOTEL, APARTMENT and STORE—Alhambra Community Corp., had plans revised by Starrett & Payne, 426 Western Mutual Life Bldg., Los Angeles, 5 story and basement, 90 x 171 ft., tile and rein.-con., South Garfield Ave. and 1st St. $300,000. Noted Oct. 29.

Calif., Chico — AUDITORIUM — Amer. Legion of Chico, plans 2 story, fireproof Veterans' Memorial Auditorium. $150,000. Butte Co. appropriated $75,000 toward cost.

Calif., Davis—AGRICULTURAL ENGINEERING — Regents University of California, Berkeley, plans 2 story agricultural engineering building, University Farm, here. $150,000.

Calif., Fresno—OFFICE and STORE—M. R. Craycroft, 1632 Van Ness Ave., having plans prepared by E. J. Kump Co., Rowell Bldg., 6 story, rein.-con., brick, terra cotta, and marble addition, Merced and Fulton Sts. $400,000.

Calif., Los Angeles—APARTMENT—Los Angeles Housing Corp., Black Bldg., having plans prepared by E. Van Den Hoven, Black Bldg., 6 story and basement, rein.-con., Alvarado Court. $250,000.

Calif., Los Angeles — APARTMENT — L. A. Smith, archt., Film Exch. Bldg., plans 5 story and basement, 125 x 175 ft., brick and steel, Cherokee Ave. $200,000. Owner's name withheld.

Calif., Los Angeles—APARTMENT and STORE—J. W. Sappington, c/o R. Nicolais, archt., 686½ South Vermont Ave., having preliminary plans prepared 12 story and basement, 100 x 150 ft., rein.-con. apartment and store. To exceed $750,000.

Calif., Los Angeles—OFFICE—Los Angeles Housing Corp., Black Bldg., having plans prepared by E. Van Den Hoven, Black Bldg., 13 story and basement, 60 x 115 ft., rein.-con., Main St.

Calif., Los Angeles—OFFICE—Realty & Finance Co., Lincoln Bldg., having plans prepared by Curlett & Beelman, Union Bank Bldg., 12 story, rein.-con., on 82 x 128 ft. site, 7th St. between Hope and Flower Sts. To exceed $150,000.

Calif., Los Angeles — STORE and OFFICE—Sun Realty & Finance Corp., Lincoln Bldg., having plans prepared by Curlett & Beelman, Union Bank Bldg., 12 story and basement, 82 x 125 ft., fireproof, 7th St. near Hope St.

Calif., Oakland—HOSPITAL—Baby Hospital of Alameda Co., G. C. Jensen, pres., 381 Palm St., having plans prepared by E. W. Cannon, 1924 Bway., 2 story, brick and steel, 54th and Dover Sts. $250,000.

Calif., Sacramento — STORE — Eastern Outfitting Co., 1024 J St., plans 2 story, rein.-con., J St. near 11th St. $150,000.

Calif., Sacramento — STORE — L. R. Laurie, 315 Montgomery St., San Francisco, having plans prepared by O'Brien Bros., 315 Montgomery St., San Francisco, 3 story and basement, rein.-con., J St. between 11th and 12th Sts., here. $250,000.

Calif., San Francisco—APARTMENT—P. Donahue, c/o J. C. Hladik, archt., Monadnock Bldg., having plans prepared 5 story and basement, rein.-con., Gough and Page Sts. $150,000.

Calif., San Francisco—APARTMENT—B. Sassio having plans prepared by J. C. Hladik, Monadnock Bldg., 6 story and basement, rein.-con., Fell St. near Octavia St. $150,000.

Calif., San Francisco—STORE and LOFT—Amer. Concrete Co., Humboldt Bank Bldg., plans 2 story, rein.-con., 12th and Howard Sts. $150,000. Eng. Dept. of Owners, engrs.

Calif., Santa Monica—EXCHANGE—Santa Monica Home Telephone Co., having plans prepared by M. Sasso, I. W. Hellman Bldg., Los Angeles, 6 story and basement, brick, steel and rein.-con. phone exchange. $200,000.

Ont., Ottawa—HOTEL—Wiggins Hotel Co., having plans prepared by W. C. Beathie, 66 Craig St., 10 story and 2 basements, 66 x 198 ft. and 66 x 99 ft., rein.-con., brick and stone, plain foundation, Albert St. $1,000,000.

Ont., Ottawa—HOTEL—Noffke Morni & Sylvester, archts., Central Chambers, Elgin St., soon take bids 11 story and 2 basements, 132 x 198 ft., rien.-con. and brick, plain foundation, Metcalf St. $1,500,000. Owner's name withheld.

BIDS DESIRED

Mass., Brighton (Boston P. O.) — APARTMENTS—See "Contracts Awarded."

Mass., Mattapan (Boston P. O.) — APARTMENT—See "Contracts Awarded."

Mass., Roxbury (Boston P. O.)—APARTMENT—See "Contracts Awarded."

Conn., Bridgeport—APARTMENT—See "Contracts Awarded."

Conn., New London—APARTMENT and STORE—C. E. Schall, 849 Pequot Ave., taking bids 2 story, brick and steel, Montauk Ave. $150,000. Bilderbeck & Langdon, State St., archts. Noted Jan. 28.

N. Y., Brooklyn — HOTEL — See "Contracts Awarded."

N. Y., New York — APARTMENT — See "Contracts Awarded."

N. Y., New York—OFFICE—See "Contracts Awarded."

Pa., Phila.—APARTMENT—L. B. Raidman, Fox Bldg., taking sub-bids 4 story and basement, 151 x 156 ft., brick and steel, plain foundation, Wayne and Julpehocken Sts. $500,000. S. Kaplan, 10 South 18th St., archt.

Pa., Phila.—SERVICE and GARAGE—Feb. 9, by Ballinger Co., archts., 12th and Chestnut Sts., 4 story and basement, 68 x 239 ft., rein.-con. and brick, plain foundation, 1515 Broad St., for A. E. Albins, c/o architects. $250,000.

Pa., Williamsport—LODGE—Mar. 1, by Building Com. Lodge 173 B. P. O. E., 4th and State Sts., H. R. Davis, exalted ruler, 5 story and basement, 60 x 192 ft., rein.-con., steel, red brick and Indiania limestone, 4th St. $250,000. F. A. Rianhard, Masonic Temple, archt.

D. C., Wash. — BANK and OFFICE — Coolidge, Shepley, Bulfinch & Abbott, archts., 122 Ames Bldg., Boston, Mass., taking bids bank and office building, 15th and New York Aves., here, for City Central Corp. of Boston. $2,000,000.

D. C., Wash.—ORPHAN ASYLUM—Feb. 15, by Milburn-Heister Co, archts., 710 14th St. N. W., orphanage for St. Josephs Orphan Asylum. $250,000. Noted Jan. 28.

Miss., Clarksdale — WAREROOM — See "Contracts Awarded."

Mich., Jackson — OFFICE — A. Kahn, archt., 1000 Marquette Bldg., Detroit, taking bids 9 story and basement, 69 x 126 ft. and 50 x 133 ft., rein.-con. and brick, plain and wood pile foundations, Main St., here, for Consumers Power Co. Noted Jan. 15, 1925.

Ill., Chicago — APARTMENT — B. L. Steif & Co., archts., 307 North Michigan Ave., taking bids 8 story, 94 x 150 ft., and 50 x 143 ft., rein.-con. and brick, Loyola Ave., for H. Emerman, 4750 Sheridan Rd. $600,000.

Wis., Fond du Lac—HOTEL—Feb. 8, by M. Tullgren & Sons, archts., 9 Waverly Pl., Milwaukee, 8 story and basement, 50 x 85 ft., brick and concrete addition to Retlaw Hotel, here, for Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee. $200,000. Noted Nov. 12.

Wis., Green Bay—HOTEL—Feb. 8, by M. Tullgren & Sons, 9 Waverly Pl., Milwaukee, 8 story and basement, 48 x 62 ft., rein.-con. and brick addition to Northland Hotel, here, for Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee. $200,000.

Wis., Kenosha — APARTMENT and STORE — L. Plous, 152 Market St. and A. Epstein, archt., 2001 West Pershing Rd., Chicago, Ill., taking bids 3 story and basement, 62 x 125 ft., rein.-con., brick and terra cotta, plain foundation, Prairie St. $150,000. Noted Dec. 31.

Wis., Milwaukee—THEATRE—C. W. and G. L. Rapp, archts., 190 North State St., Chicago, Ill., taking bids and open same about Feb. 10, 1 and 2 story and basement, 99 x 290 ft., brick, concrete and terra cotta, plain foundation, 49th St. and Lisbon Ave., for Saxe Amusement Enterprises, 530 Grand Ave. $300,000. Noted Oct. 8.

Ia., Bettendorf—SANITARIUM—Feb. 27, by Grand Lodge of Iowa A. F. and A. M., c/o F. Moses, secy., Cedar Rapids, 2 story and basement, 38 x 116 ft., and 38 x 150 ft., rein.-con., brick and stone addition. $150,000. Beuttler & Arnold, 405 Grain Exch. Bldg., Sioux City, and E. Holbrook, 51 Whitaker St., Davenport, archts. Noted Jan. 14.

Neb., Omaha—HOSPITAL—Feb. 17, by J. Latenser & Sons, archts., Peters Trust Bldg., 3 story and basement, brick addition, 42nd St. and Dewey Ave., for University of Nebraska Hospital. $250,000. Noted Nov. 19.

Tex., San Antonio—JAIL—Bexar Co., c/o A. McCloskey, judge, taking bids 2 story, 110 x 170 ft., rein.-con. and brick addition, plain foundation, Cameron St. between Houston and Commerce Sts. $500,000. A. B. and R. M. Ayers, c/o Bedell Bldg., and Seutter & Simons, c/o Builders Exch. Bldg., archts. Noted Oct. 7.

Calif., San Francisco—APARTMENT—C. A. Meussdorffer, archt., Humboldt Bank Bldg., taking bids general contract 10 story, basement and sub-basement, steel and rein.-con., Steiner and Jackson Sts., for T. Hamill & R. G. Hall, 6242 Geary St. $400,000. Noted Oct. 22.

CONTRACTS AWARDED

Mass., Brighton (Boston P. O.) — APARTMENTS—J. Borson, 17 Hiawatha Rd., Mattapan, will build five 3 story and basement, 50 x 75 ft., brick, stone and steel, Commonwealth Ave. $250,000. Work will be done by separate contracts.

Mass., Mattapan (Boston P. O.) — APARTMENT—J. Levine, 1286 Blue Hill St., Dorchester, will build 3 story and basement, brick and steel, Almont St., here, by day labor. $275,000. S. E. Moffie, 51 Cornhill, Boston, archt.

Mass., Roxbury (Boston P. O.)—APARTMENT—A. D. Shapiro, 27 School St., Boston, will build 3 story and basement, brick and stone, plain foundation, Maple and Schuyler Sts. $250,000. Work will be done by separate contracts. Silverman, Brown & Heenan, 51 Cornhill St., Boston, archts.

Conn., Bridgeport——APARTMENT—W. F. Chatlos, West Broad St., Stratford, will build 7 story, 60 x 200 ft., brick and steel, Courtlandt St., here, by day labor. $300,000. J. W. Northrop, 211 State St., archt. Noted Sept. 17.

N. Y., Brooklyn—HOTEL—Rapsil Constr. Co., 1802 Cortelyou Rd., will build 6 story, brick, steel and stone, plain foundation, Bedford and Church Aves. $1,200,000. Work will be done by separate contracts under supervision of owner. Ricca &

See proposal advertisements on page 155, Advertising Section.

Buildings—Commercial (Continued)

Ungerfelder, 186 Remsen St., engrs. and archts.

N. Y., Brooklyn—OFFICE and LOFT—Bush Terminal Co., foot 43rd St., 2 rein.-con., brick and steel, plain foundations, 1st Ave. and 39th St., to Turner Constr. Co., 244 Madison Ave., New York City. Archts. est. $2,000,000. Noted Jan. 28.

N. Y., New York — APARTMENT — Rembud Realty Corp., c/o S. V. Becker, engr. and archt., 819 East 169th St., will build 5 story, brick, steel and stone, plain foundation, 149 West 139th St., by day labor. $150,000.

N. Y., New York — OFFICE — Bricken Constr. Corp., A. Bricken, pres., 62 West 47th St., will build 42 story, brick, steel and stone, plain foundation, Bway. and Barclay St. $10,000,000. Work will be done by separate contracts.

N. Y., New York—THEATRE—Mayson Realty Co., J. Mayer, pres., 56 West 45th St., brick, steel and stone, plain foundation, West 50th St., to O'Day Constr. Co., 1639 Bway. Archts. est. $250,000.

N. J., Newark—STORE and OFFICE—J. C. Eisele Co., c/o N. Myers, archt., 7 Nelson Pl., 2 story and basement, 100 x 224 ft., brick and limestone, plain foundation, Elizabeth Ave., to L. D. Kelgus Co., 13 Coes Pl., approximately $160,000.

Pa., Phila.—APARTMENT and STORE—Huntington Hall c/o F. H. Smith Co., 1524 Walnut St., will build 16 story and basement, 44 x 135 ft., rein.-con., brick and steel, plain foundation, 20th and Walnut Sts. Work will be done by separate contracts. $1,500,000. Private plans.

Pa., Phila.—APARTMENT—G. T. Sales, Liberty Bldg., 3 story and basement, 50 x 130 ft., brick and steel, plain foundation, 1661 East Harrison St., to Rush Bros., 4682 Darrah St. Archts. est. $150,000.

Pa., Phila. — APARTMENT — Parkway Apartment Corp., c/o F. N. Greissler, archt., 1035 West Walnut St., 14 story and basement, 110 x 170 ft. apartment, incl. swimming pool, 33rd and Columbia Sts., to B. Bornstein, 1310 Winghocking Ave. Archts. est. $1,750,000. Noted Nov. 12.

Pa., Phila. — OFFICE — Fidelity Mutual Life Insurance Co., 112 North Broad St., 3 story, loft and basement, 40 x 188 ft., 40 x 144 ft. and 40 x 200 ft., rein.-con., brick, limestone and granite, plain foundation, Parkway and Fairmount Aves., to Turner Constr. Co., 1713 Sansom St. Archts. est. $1,500,000.

Pa., Phila.—SALES and SERVICE—P. S. Tyre, archt., 114 South 15th St., 3 story, mezzanine and basement, 86 x 100 ft., rein.-con. and brick, plain foundation, Broad and Washington Sts., to White Constr. Co., Jefferson Bldg., for Duff-Nash Motor Co., 1113 South Broad St. Noted Jan. 1.

Fla., Miami—HOTEL—Shoreland Co., c/o Miami Shores Co., 6 story hotel, and 4 story apartment, rein.-con., Federal Highway and Northeast 122nd St., to Markley Constr. Co., Miami. Archts. est. $1,250,000.

Miss., Clarksdale—WAREROOM—M. L. McIntyre & Son, Inc., M. L. Virdue, pres., will build 1 story, 100 x 400 ft., concrete and timber addition, here, by day labor.

O., Akron — FABRIC WAREHOUSE — Firestone Tire & Rubber Co., 1289 South Main St., 1 story, brick and steel, to Clemmer & Johnson, 470 East Market St. Archts. est. $150,000. Noted Jan. 28.

O., Columbus — BANK and OFFICE — Ohio State Savings Assn., 44 East Broad St., 42.5 x 83 x 118 x 125 ft., stone, terra cotta and steel, 3rd and Gay Sts., to D. W. McGrath & Sons, 255 East Broad St., if 8 story and basement $490,000, or 12 story $593,000. Noted Dec. 24.

Ill., Chicago—APARTMENT—L. O. Runner, c/o H. H. Richards, archt., 5467 West Washnigton Blvd., masonry contract 5 story, 96 x 176 ft., 313-325 North Central Ave., to J. A. Lundstrum, 5153 North Clark St.; plumbing and heating, to W. Gowne & Co., 5521 West Madison St. Archts. est. $550,000.

Ill., Chicago—APARTMENT—Landsbro Hotel Corp., c/o Oldefest & Williams, archts., 605 North Michigan Ave., masonry contract 10 story, 54 x 150 ft., brick, steel and terra cotta, North Dearborn and Maple Sts., to Seipp & Lonergan, 179 West Washington St.; plumbing, to M. Weil, 3150 West Chicago Ave.; heating, to Crosby & Baird, 163 West Harrison St. Noted Jan. 14.

Wis., Milwaukee — HOTEL — A. Tegtmeyer, 401 Grand Ave., 12 story and basement, 50 x 75 x 77 ft., brick and concrete, Grand Ave. and 4th St., to W. W. Oeflein, Inc., 86 Michigan Ave. Archts. est. $500,000. Noted Oct. 1.

Mo., Jefferson City — HOTEL — J. A. Huegel, Central Hotel, remodeling and constructing 10 story and basement, 75 x 200 ft., rein.-con. and steel addition, plain foundation, to E. Dreier & Son, Peoples Natl. Bank Bldg., Kansas City, not to exceed $350,000. Noted Nov. 12.

Mo., Kansas City—WAREHOUSE—Federal Van & Storage Co., 4010 Hamilton St., 5 story and basement, 70 x 95 ft., rein.-con. addition, plain foundation, to G. F. Green, Rialto Bldg. Archts. est. $150,000.

Mo., St. Louis—STORE and OFFICE—J. F. Dickmann Real Estate Co., 623 Chestnut St., 6 story and basement, 40 x 130 ft., rein.-con., brick and stone, 3117-19 South Grand Blvd., to H. O. Hirsch Co., Wainwright Bldg. Archts. est. $275,000. Noted Dec. 24.

Okla., Oklahoma City — OFFICE — Levy Bros., general contract 3 story, 75 x 140 ft., rein.-con., brick and stone addition, Harvey and Main Sts., to Kreipke-Schaefer Constr. Co., 506 Herskowitz Bldg. Noted Dec. 17.

Calif., San Francisco — GARAGE — J. Jerome, 321 Bush St., 2 story, rein.-con., 3rd and Folsom Sts., to United Building & Constr. Co., 321 Bush St., $175,000. Noted Oct. 29.

Calif., San Francisco—OFFICE—Hunter, Dulin & Co., 256 Montgomery St., 24 story and basement, Sutter and Montgomery Sts., to Lindgren-Swinerton, Inc., 225 Bush St., approximately $3,000,000. Noted Oct. 29.

Calif., San Francisco — OFFICE — A. Grant, 10 story addition, Bush and Sansome Sts., to Lindgren-Swinerton, Inc., 225 Bush St., approximately $950,000.

Calif., San Francisco — STORE — G. H. Sandy Co., 2474 Mission St., 2 story, 78 x 160 ft., rein.-con. top addition, Mission St. near 21st St., to A. Petersen, 2309 San Bruno Ave., $400,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Clinton—CHURCH—First Methodist Episcopal Church, Walnut St., soon lets contract 2 story and basement, 60 x 115 ft., rein.-con. and stone, plain foundation, Walnut St. $150,000. Woodbury & Stuart, 581 Boylston St., Boston, archts.

Mass., Harwich—HIGH SCHOOL—Town, W. Eldridge, chn., having plans prepared by Morse & Chase, 25 Washington Sq., Haverhill, 2 story and basement, new high school. $150,000.

Mass., Hyde Park (Ind. br. Boston) — SCHOOL—Schoolhouse Dept., Boston, plans 2 story and basement, brick, Sunnyside St., here. $150,000. Engineer and architect not selected.

Mass., Worcester — LIBRARY — City, Library Bd. plans brick, steel and stone library. To exceed $150,000. Engineer and architect not selected.

Mass., Worcester—SCHOOL—City, Pub. Bldg. Dept., plans brick and steel, Nelson Pl. $150,000. Engineer and architect not selected.

Mass., Worcester—SCHOOL—City, Dept. Pub. Bldg., City Hall, having plans prepared by E. P. Fitzgerald, State Mutual Bldg., 2 story and basement, brick and steel, Granite St. $150,000. Noted Jan. 21.

R. I., Providence—HIGH SCHOOL—City, Pub. Building Dept., had sketches made by T. J. Hill Pierce, 30 Allens St., Junior High School, brick, steel and stone, Taber Ave. and Sessions St. $750,000.

Conn., Hartford — CHURCH — Emanuel Synagogue, M. Silverman, rabbi, plans church and school, 1,500 seating capacity, Greenfield St. $250,000.

Conn., Hartford—SCHOOL—City, Vocational Educational Dept., City Hall, plans 3 story trade school. $275,000. Engineer and architect not selected.

N. Y., Astoria (sta. Long Island City)—CHURCH—Trinity Lutheran Church of Astoria, 346 8th Ave., F. H. Lindeman, pastor, having plans prepared by G. W. Conable, engr. and archt., 46 West 24th St., New York City, brick, steel and stone, plain foundation, Jamaica and 8th Aves. $200,000.

N. Y., Babylon—HIGH SCHOOL—Dept. Educ. plans 100 x 225 ft., brick, steel and stone, plain foundation. $365,000. Engineer and architect not selected.

N. Y., New York—CHURCH and PARISH HOUSE — Trinity Swedish Lutheran Church, S. G. Ohman, 72 West 126th St., soon takes bids brick, steel and stone, Grand Concourse and 166th St. $300,000. A. S. Hedman, 112 East 19th St., engr. and archt.

N. Y., Port Washington—HIGH SCHOOL Bd. Educ. having plans prepared by Delano & Aldrich, engrs. and archts., 126 East 38th St., New York City, brick, steel and stone, plain foundation. $750,000.

N. Y., Sea Cliff—SCHOOL—Bd. Educ. soon takes bids brick, steel and stone addition, plain foundation. $200,000. Coffin & Coffin, 522 5th Ave., New York City, engrs. and archts. Noted Jan. 7.

N. Y., Tuckahoe (Ind. br. Yonkers) — HIGH SCHOOL—Bd. Educ. having plans prepared by Tooker & Marsh, engrs. and archts., 101 Park Ave., New York City, brick, steel and stone, plain foundation, here. $600,000.

N. J., Montclair — CHURCH — C. W. Wands, associated archt., Caldwell soon lets contract 1 story and basement, 65 x 190 ft. brick, Hillside Ave., for First Church of Christ Scientist, here. $200,000. C. D. Faulkner, 140 South Dearborn St., Chicago, Ill., archt.

Pa., Verona—HIGH SCHOOL—Bd. Educ. having plans prepared by S. M. Beall & Son, Monesson, 3 story and basement, 80 x 100 ft., brick and hollow tile addition. $200,000.

Md., Baltimore — CHURCH and PARSONAGE—First English Lutheran Church, M. L. Enders, pastor, 821 West Lanvale St., having plans prepared by Parker, Thomas & Rice, Union Trust Bldg., 1 story and basement, stone, Charles and 39th Sts. $225,000.

Md., Baltimore — CONVENT, etc. — St. Pauls Roman Catholic Church, M. F. Foley, pastor, Caroline and Oliver Sts., having plans prepared by J. K. Stack, 308 East Lafayette Ave., 3 story and basement, steel and stone, plain foundation, 1415-21 North Caroline St. $150,000.

Md., Baltimore—MUSEUM—Mayor and City Council plans art museum marble or limestone, Wyman Park. $1,000,000. Engineer and architect not selected. Noted Nov. 13.

N. C., Swannonoa—SCHOOL—Buncombe Co. Comrs., Asheville, election Feb. 23, $150,000 bonds, new school, here.

Miss., Laurel — HIGH SCHOOL — P. J. Krouse, archt., Meridian, soon takes bids Junior High School, here, for City. Noted Aug. 13.

Tenn., Nashville — COLLEGE — Vanderbilt University, c/o J. H. Kirkland, chancellor, plans social science, physics and geology buildings and biology hall, on campus. $1,050,000.

O., Cincinnati — SCHOOL — Bd. Educ., Denton Bldg., having plans prepared by R. E. Hunt, Temple Bar Bldg., Kennedy Heights School, 3 story and basement, rein.-con. and brick, plain foundation, Montgomery St. $150,000.

O., Cleveland — RECTORY — St. Agnes Roman Catholic Church, G. P. Jennings, pastor, 8000 Euclid Ave., had plans prepared by Comes, Perry & McMullen, Renshaw Bldg., Pittsburgh, Pa., 3 story and basement, 61 x 99 ft., stone and steel, East 81st St. $150,000.

Ill., Peoria — ADMINISTRATION and DORMITORY — Y.W.C.A., 121 North Monroe St. plans administration and dormitory, Fayette and Jefferson Sts. $250,000. Engineer and architect not selected. M. Finney, pres.

Minn., New Ulm — COLLEGE — Martin Luther College, H. A. Sitz, secy., plans 2 story and basement, rein.-con., brick and stone college. $175,000. Engineer and architect not announced.

Mo., Kansas City—SCHOOL—Bd. Educ. had plans prepared by C. E. Smith, 800 Finance Bldg., 4 story and basement, irregular shaped, rein.-con. and brick addition, incl. swimming pool, here.

Tex., Colorado—HIGH SCHOOL—City, Bd. Educ. had plans prepared by C. H. Griesenbeck, 1206 South West Life Bldg., Dallas, 3 story, 145 x 175 ft., rein.-con., brick and stone high school. $150,000. Noted Dec. 17.

Tex., San Angelo—SCHOOLS—Election soon $250,000 bonds, additions to East and North Ward Schools, also, new Junior High School; and $250,000 bonds, new Junior College. Engineer and architect not announced.

Okla., Welectka — HIGH SCHOOL — Bd. Educ. making preliminary plans 2 story and basement, rein.-con. and brick, 7th St. $175,000 bond election soon. Engineer and architect not selected.

Calif., Culver City—SCHOOLS—La Ballona School Dist. voted $210,000 bonds, grammar schools.

Calif., Huntington Park — SCHOOL — Huntington Park City School Dist., election $250,000 bonds, school additions.

Calif., Los Angeles—SCHOOL—Bd. Educ. soon takes bids Wiggins Trade School, 2 story and basement, rein.-con. $650,000. Austin & Ashley, Chamber of Commerce Bldg., archts.

Calif., San Leandro—SCHOOLS—Voted $200,000 bonds, 18 additional classrooms to standing schools, and new grammar school. Noted Dec. 10.

See proposal advertisements on page 155, Advertising Section.

Buildings—Educational, Religious (Cont.)

Que., Montreal — CHURCH — United Church, A. J. Martin, rector, had plans prepared church, Notre Dame de Grace St. $160,000. G. A. Russell, chn. building com.

Que., Three Rivers—CHURCH—Roman Catholic Church, P. E. Paguin, rector, having plans prepared by Asselin & Deuoncourt, Three Rivers, church, Colean and St. Louis Sts. $160,000.

Ont., London—COLLEGIATE—Bd. Educ., A. R. Cairncross, chn., having plans prepared by L. E. Carrothers, c/o owner. Collegiate building, Tecumseh St. $200,000.

Ont., Toronto—SCHOOL—Bd. Educ., 155 College St., having plans prepared by C. E. Dyson, c/o owner, 2 story and basement, rein.-con., brick and steel addition to Adam Beck School. $150,000.

B. C., Vancouver—SCHOOLS—Bd. School Trustees Hamilton St., takes bids about Mar. 1, three 3 story, rein.-con., brick and tile, schools, plain foundations. $300,000. F. A. A. Barrs, c/o owner, archt. P. P. Brown, 410 London Bldg., engr. Noted Dec. 3.

BIDS DESIRED

Conn., Plainville — HIGH SCHOOL — Town, L. S. Mills, com. man, taking bids 2 story and basement, brick and steel, East St. $250,000. School Plan Serv. Bureau, 363 Main St., Middletown, archts.

N. J., Jersey City—CHURCH—Feb. 6, by Lafayette Presbyterian Church, 2 story, 60 x 115 ft., stone, Forest and Ocean Aves. $200,000. J. J. Jackson, 185 Church St., New Haven, Conn., archt.

N. J., Paulsboro—SCHOOL—Feb. 19, by Bd. Educ., 2 story and basement, 76 x 173 ft., rein.-con. and brick, plain foundation. $200,000. Ritter & Shay, Packard Bldg., Phila., Pa., archts. Noted Jan. 28.

Pa., Ardmore—HIGH SCHOOL—Feb. 5, by Lower Merion Twp. School Dist., 3 story and basement, two 84 x 69 ft., rein.-con. and brick wings, plain foundation, Montgomery Ave. and Church Rd. $150,000. R. E. White, Penn Bldg., Phila., archt. Noted Nov. 12.

Pa., Johnstown—HIGH SCHOOL—Feb. 15, by Bd. Directors School Dist., Garfield Junior School, 3 story and basement, 260 x 300 ft., brick and steel, Morrellville St. $750,000. J. E. Adams, Nemo Bldg., archt. Noted Jan. 21.

Pa., Williamsport—HIGH SCHOOL—Feb. 18, by Bd. Educ., Junior High School, 2 story and basement, 70 x 268 ft., and 102 x 129 ft., rein.-con., brick and steel, plain foundation, here. $400,000. Gilbert & Betelle, 20 Branford Pl., Newark, N. J., archts. E. S. Powers & Son, engrs., Chamber of Commerce Bldg., Newark, N. J. Noted Jan. 21.

D. C., Wash.—HIGH SCHOOL—Feb. 19, by Dist. Comrs., District Bldg., Stuart Junior High School. $475,000. Noted Oct. 8.

Miss., Raymond—HIGH SCHOOL—Feb. 19, by H. V. Watkins, pres. Bd. Trustees Hinds Co. Agricultural High School and Junior College, for high school, incl. administration and girls dormitory. $150,000. J. M. Spain, Jackson, archt. Noted Oct. 1.

O., Parma (Cleveland P. O.)—SCHOOL—Feb. 13, by Bd. Educ., I. D. Siegfried, clk., 2 story and basement, brick, steel and concrete school. $250,000. Fulton & Taylor, 8120 Euclid Ave., Cleveland, archts. Noted Oct. 22.

Wis., Marshfield—SCHOOL—Feb. **23,** by School Dist. 1, M. Hansen, clk., 2 story and basement, brick and tile addition to Vocational and Junior High School, plain foundation. $225,000. Parkinson & Dockendorff, Linker Bldg., La Crosse, archts.

Minn., Edina (Minneapolis P. O.) — SCHOOLS—Feb. 9, by G. M. Sachs, secy. Independent School Dist. 17, 2 story and basement, rein.-con. and brick, Wooddale Ave. and 50th St.; and 1 story and basement, brick, Alden Dr. and Morningside Rd., Morningside Village. $150,000. Sund & Dunham, 512 Essex Bldg., Minneapolis, archts. Noted Jan., 1925.

Calif., Los Angeles—HIGH SCHOOL—Feb. 10, by Bd. Educ., Adams Junior High School, 3 story and basement, rein.-con. and brick. $200,000. Kistner & Co., Detwiler Bldg., archt. Noted Aug. 6.

BIDS RECEIVED

Calif., Huntington Beach — SCHOOL — Trustees Huntington Beach High School Dist., general contract group high school buildings, from J. Simpson & Co., 701 Antonio Ave., Los Angeles, concrete $303,000, brick $305,000, interlocking tile $302,500. Noted Dec. 31.

Calif., Oakland—SCHOOL—City, Prescott School, 2 story, concrete, from Lawton & Vezey, 354 Hobart St., $112,960. Noted Dec. 3.

Calif., San Francisco—HIGH SCHOOL—Bd. Pub. Wks., general contract Galileo High School, fireproof, Francisco and Van Ness Ave., for City and San Francisco Co., from O. Monson, 251 Kearny St., $388,860; mechanical equipment from P. J. Enright, 2720 McAllister St., $32,200; plumbing, from S. W. Band, 580 Valencia St., $28,425. Noted Dec. 31.

CONTRACTS AWARDED

Mass., Hamilton — CHURCH — Christ Episcopal Church, 1 story and basement, stone and granite, plain foundation, Asbury St., to F. P. Trussell, Hamilton. Archts. est. $150,000.

R. I., Providence — COLLEGE — Brown University, Women's College, 2 story and basement, brick and steel, Cushing and Meeting Sts., to C. B. Maguire Co., 507 Grosvenor Bldg. Archts. est. $400,000.

Conn., Stamford—SCHOOL—Town, C. H. Martin, chn. com., City Hall, 2 story and basement, 45 x 128 ft., rein.-con., brick and stone, plain foundation, Glenbrook Dist., to E. and F. Constr. Co., 94 Wells St., Bridgeport, $193,000. Noted Jan. 28.

Md., Baltimore—NURSES HOME—J. E. Sperry, archt., Calvert Bldg., 7 story, rein.-con., brick and steel, plain foundation, 33rd St., to Consolidated Eng. Co., 20 East Franklin St., for Union Memorial Hospital. $450,000. Noted Jan. 7.

Md., Baltimore — SYNAGOGUE — Zion Shaari Congregation, c/o A. S. Hillman, ch. building com., 3445 Park Heights Ave., 1 story, basement and balcony, 80 x 100 ft., rein.-con. and brick, plain foundation, Park Heights and Hillsdale Aves., to S. Kroll, 812 West North Ave., $150,000. Noted Jan. 7.

Fla., Coral Gables—SCHOOL—Dade Co. Bd. Pub. Instruction, 1st Ave. and 3rd St., Miami, 1 story, 100 x 120 ft. auditorium, 2 story, 30 x 112 ft. class room, and 32 x 82 ft. cafeteria, rein.-con. and tile, to Coral Gables Constr. Co., Coral Gables, $198,382. Noted Dec. 31.

Fla., Miami—HIGH SCHOOL—Dade Co. Bd. Pub. Instruction, 1st Ave. and 3rd St., Shenandoah High School, 3 story, 200 ft. area, rein.-con. and tile, 10th St. and 21st Ave. to Fleisher Eng. & Constr. Co., Tampa. $275,000. Noted Dec. 31.

Fla., Miami Beach—HIGH SCHOOL—Dade Co. Bd. Pub. Instruction, 1st Ave. and 3rd St., Miami, 3 story, 200 sq.ft. area, rein.-con. and tile, Drexel Ave. and 14th St., here, to Fleisher Eng. & Constr. Co., Tampa. Archts. est. $250,000. Noted Dec. 31.

O., Akron—GYMNASIUM—Bd. Educ., 2 story, 83 x 83 ft., brick addition to Garfield High School for gymnasium, to Clemmer & Johnson, 470 East Market St., $136,282.

O., Cleveland—SCHOOL—Bd. Educ., F. G. Hogen, dir., 2 story and basement, 112 x 128 ft., concrete, brick and steel addition, East 55th St., to Schirmer-O'Hara Co., 1720 Euclid Ave. Archts. est. $350,000. Noted Jan. 7.

Ill., Evanston—CHURCH—Talmadge & Watson, archts., 160 North La Salle St., Chicago, general contract church Hinman and Greenwood Aves., here, to H. B. Barnard, 140 South Dearborn St., for First Congregational Church. Archts. est. $750,000. Noted Aug. 6.

Mo., St. Louis—GYMNASIUM—O'Meara & Hills, archts., Arcade Bldg., general contract, 2 story and basement, 150 x 213 ft., rein.-con., brick and stone, West Pine Blvd., to C. W. Schuler Co., 3010 Oregon St., for St. Louis University, Grand and West Pine Blvds. Noted Dec. 31.

Calif., Huntington Beach — SCHOOL — Trustees Huntington Beach High School Dist., general contract group concrete high school buildings, to Simpson & Co., 701 Antonio Ave., Los Angeles, $302,500. Noted Jan. 28.

Calif., San Francisco—HIGH SCHOOL—Bd. Pub. Wks., general contract Galileo High School, fireproof, Francisco and Van Ness Ave., for City and San Francisco Co., to O. Monson, 251 Kearny St., $388,860; mechanical equipment, to P. J. Enright, 2720 McAllister St., $32,200; plumbing, to S. W. Band, 580 Valencia St., $28,425. Grand total $449,485. Noted Jan. 28.

Que., St. Leon le Grand — CHURCH — Roman Catholic Congregation, church, to J. St. Hilaire, St. Romuald, $192,000.

Federal Government Work

PROPOSED WORK

D. C., Wash.—Hangar—War Dept., plans rebuilding hangar at Bolling Field.

N. C., Cape Lookout (mail Beaufort)—Compass Station—Spec. 5182—Mar. 3, by Bureau Yards & Docks, Navy Dept., Wash., D. C., two 100 ft. radio compass stations, at Naval Radio Compass Station, here.

BIDS DESIRED

D. C., Wash.—Elevator—Mar. 1, by U. S. Engineer Office, Navy Dept. Bldg., installing electric freight elevator for water supply project, for Dist. of Columbia jails. E. N.-R. Feb. 4.

Ky., Louisville—Beartrap Leaves—Feb. 8, by U. S. Engineer's Office, P. O. Box 59, beartrap leaves for Dams 45 and 49, Ohio River; adv. E. N.-R. Feb. 4. Noted Jan. 28.

O., Cincinnati — Mezzanine — Feb. 19, by Treas. Dept. at office Supervising Architect, Wash., D. C., mezzanine at U. S. Post Office, here.

Ill., Evanston—Remodeling—Feb. 23, by Treas. Dept., at office Supervising Architect, Wash., D. C., remodeling U. S. Post Office, here. J. A. Wetmore, acting supervising archt.

Kan., Hutchinson—Remodeling—Feb. 25, by Treas. Dept., at office Supervising Architect, Washington., D. C., remodeling U. S. Post Office, here.

Oregon—Outlet Pipes—Mar. 9, by Bureau Reclamation, Dept. of Interior, Wash., D. C., two 54 in. riveted or welded plate steel outlet pipes for McKay Dam, Umatilla Project, here. E. Mead, comr.; adv. E. N.-R. Feb. 4.

Calif., Palo Alto—Water Tanks—Mar. 2, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., red wood water tanks for U. S. Veterans Hospital 24, here. L. H. Tripp, ch. constr. div.

C. Z., Panama—Pipe Masts—Spec. 5145—Feb. 24 (extended date), by Bureau Yards & Docks, Navy Dept., Wash., D. C., 2 guyed steel pipe masts for Naval Radio Station, Capa Mala, here. Noted Jan. 7.

BIDS RECEIVED

Ala., Tuskegee — Recreation — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Jan. 27, 52 x 132 ft., brick, at U. S. Veterans Hospital, here, from Batson-Cook Co., Inc., West Point, Ga., $54,070. Noted Jan. 7.

Minn., Fort Snelling (br. St. Paul)—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Jan. 26, general contract U. S. Veterans Hospital, here, from Madsen Constr. Co., 848 Builders Exch., Minneapolis, $1,025,700; heating from H. Kelly & Co., 925 Plymouth Bldg., Minneapolis, $146,900; plumbing, from W. F. Bunce, 226 Salmon St., Portland, Ore., $140,222; and electrical work, from Domestic Utility Co., 56 Main St., Oshkosh, Wis., $68,725. Noted Dec. 17.

Ariz., Prescott—Post Office—Treas. Dept. at office Supervising Architect, Wash., D. C., Feb. 1, post office, here, from W. D. Lovell, 1415 Southeast 8th St., Minneapolis, Minn., $39,323 alternate $1,840. Noted Jan. 14.

CONTRACTS AWARDED

Wis., Janesville — Post Office — Treas. Dept., at office Supervising Archt., Wash., D. C. remodeling and enlarging U. S. Post Office, here, to J. P. Cullen & Son, 109 South Main St., $19,643. Noted Jan. 14.

Calif., Soldiers Home (br. Sawtelle P. O.)—Hospital, etc.—C. W. Wadsworth, genl. treas. Pacific Branch Natl. Home for D.V.S., Los Angeles, 5 story, 300 x 300 ft. central building with 6 story and 7 story wings, etc., to Los Angeles Building & Contg. Co., 4816 West Pico St., Los Angeles, $986,485. Noted Nov. 26.

Unclassified

PROPOSED WORK

Park—Brighton (Boston P. O.)—**Mass.**—Park Dept., 33 Beacon St., Boston, plans reconstructing Rogers Park, here. $37,000. J. E. Murphy, 33 Beacon St., Boston, engr.

Golf Course—West Hartford (br. Hartford) **Conn.**—Webster Hill Club, W. W. Sherman, 272 Main St., Hartford, plans golf course, here. To exceed $25,000. Engineer not selected.

Tunnel—New York—Bureau Highways, Albany, making preliminary plans 900 ft. tunnel, 40 ft., to west approach new highway bridge over Hudson River, from Highland to Poughkeepsie. $190,000. A. W. Brandt, Albany, comr. highways.

Elimination of Grade Crossing—Guilderland Center, N. Y.—Pub. Serv. Comn., Albany, issued order prescribing method elimination grade crossing of county highway and West Shore R.R., by constructing 2 span 90 ft. plate girder bridge with two 20 ft. rein.-con. approach spans at each end, here. $108,700. State appropriates $10,578, Albany Co. $43,773, and railroad $54,350, toward cost.

Underground Cables—Deal, N. J.—Eastern New Jersey Power Co., Main St., Hightstown, plans underground cables through here. $30,000.

See proposal advertisements on page 155, Advertising Section.

Unclassified (Continued)

Pier and Sheds—St. Petersburg, Fla.—Election Feb. 9, $824,000 bonds, rein.-con. pier, also $432,000 bonds, transit sheds for Port of St. Petersburg.

Swimming Pool — Zanesville, O. — See "Buildings—Commercial."

Bathing Beaches, Parks, etc.—Springfield, Ill.—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Swimming Pool, etc.—Des Moines, Ia.—Dept. Parks & Pub. Property, J. G. Rounds, supt., takes bids about Mar. 1, 85 x 150 ft., rein.-con. swimming pool, and 46 x 130 ft., brick and rein.-con. bath house. $40,000. Henningson Eng. Co., Natl. Bldg., Omaha, Neb., engrs.

Swimming Pool—Kansas City, Mo.—See "Buildings—Educational, Religious."

Reptile Houses—St. Louis, Mo.—City, c/o Zoological Bd. Control, having preliminary plans prepared by J. Wallace, Zoo Grounds, 2 story and basement, rein.-con., brick and stone, Forest Park Zoo Grounds. $100,000.

Pipe Line—Texas and Arkansas—Magnolia Petroleum Co., Beaumont, making plans 350 mi. 8 in. pipe line from Beaumont, Tex., to Eldorado, Ark. $3,000,000. Private plans.

Gas Pipe Line — Texas — Mid-Continent Oil & Gas Co., Wichita Falls, making plans approximately 175 mi. 10 in. natural gas pipe line from fields in Carson Co. to Hutchinson Co. $4,600,000. Private plans.

Piers — Galveston, Tex. — Galveston Wharf Co., c/o E. E. Gossrau, 2324 Ave. B, plans reconstructing Piers 23, 24, 25 and 26, also rein.-con. wharves, recently destroyed by fire. $1,500,000. R. M. Sias, 2324 Ave. B, engr.

Transmission Line—Oklahoma—Town of Fargo voted $25,000 bonds, distribution system in Fargo, and electric high line between Fargo and Woodward. H. G. Olmsted, Oklahoma Bldg., Oklahoma City, engrs. Noted Jan. 21.

Power Development—California—Pacific Gas & Electric Co., 245 Market St., San Francisco, making plans rock-filled and concrete dam, 200 ft. high on Mokelumne River, at Salt Springs, approximately 1,000,000 cu.yd. rock fill; 25 mi. concrete lined canal and tunnel from dam to Tiger Creek; and power plant to have 40,000 hp. 1,200 ft. drop, Amador and Calaveras Counties. Eng. Dept. of Owners, engrs.

Launches, Tugboats, etc. — San Francisco, Calif.—Crowley Launch & Tugboat Co., Pier 14, appropriated $250,000 funds constructing six 125 ft. lighters, 40 ft. beams, 12 ft. depth, approximately $25,000; and 4 tugboats, $50,000 each.

Transformers, etc.—Kananaskis, Alta.—Calgary Power Co. plans four 20,000 kva. transformers, at Horseshoe Plant, here, $100,000; also reconstructing 3 power lines to carry 132,000 v. A. G. Gaherty, c/o owner, ch. engr.

Stack, etc.—New Westminster, B. C.—Brunette Lumber Co. Ltd., Sapperton, making plans smoke stack, patent burners and refuse carrying equipment. $75,000. Private plans.

Lamp Standards — Vancouver, B. C. — Plans ornamental 1 light lamp standards, etc. on various streets. $500,000. Work will probably be done by city forces. C. H. Fletcher, City Hall, engr.

BIDS DESIRED

Sanitary Work, etc.—Willard, N. Y.—Feb. 24, by State Hospital Comn., Albany, sanitary work, water supply, and electrical work, etc., for Willard State Hospital, here. S. W. Jones, Capitol, Albany, state archt.; adv. Feb. 4.

Swimming Pool—Jersey City, N. J.—See "Buildings—Educational, Religious."

Golf Course—Ft. Lauderdale, Fla.—See "Contracts Awarded."

Banana Unloaders—New Orleans, La.—Feb. 9, by Bd. Port Comrs., New Courthouse Bldg., 2 banana unloaders.

Gravel and Sand Washing Plant—Omro, Wis.—Feb. 8, by F. C. Steiner, comr. Winnebago Co., Oshkosh, 1 gravel and sand washing plant in gravel pit near here.

Transmission Line—Texas—See "Contracts Awarded."

Transmission Line — Oklahoma — See "Contracts Awarded."

Bulkheads — Los Angeles, Calif. — See "Contracts Awarded."

Wharf—Quebec, Que.—Taking bids extending Quebec-Lewis Ferry Wharf. $30,000. W. D. Baillarge, city engr.

BIDS RECEIVED

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Jan. 29, subway, Sect. 4-A, Route 78, under and along St. Nicholas Ave. from West 141st to 149th St., from La Rocca Constr. Co., 576 Exterior St., (a) $4,705,064 (b) $4,680,064 (c) $5,215,064 and (d) $5,152,564. Noted Jan. 21.

Generators, etc. — Decatur, Ill. — City Council, Jan. 19, furnishing and installing two 625 kw. steam turbine generators with exciters, two 1,250 ft. surface condensers, and 2 switchboard panels, from Allis-Chalmers Co., 122 South Michigan Ave., Chicago, $51,825.

Bulkhead—Long Beach, Calif.—Rein.-con. bulkhead in Bay Shore Walk between 52nd and 65th Places, from N. E. Marsh, 237 Bimini Pl., Los Angeles, $37,000.

CONTRACTS AWARDED

Coal Pocket — Boston, Mass. — Gowdy Gum Co., 52 Everett St., Allston, coal pocket, to J. Gascoigne, 6 Beacon St. Engrs. est. $30,000.

Bulkhead—New York, N. Y.—Park Bd., F. D. Gallatin, pres., Arsenal Bldg., 64th St. and 5th Ave., concrete bulkhead along easterly boundary public driveway between 193rd and 198th Sts., to Ascher Eng. & Constr. Co., 51 West 66th St., $91,808. Noted Dec. 24.

Subway—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., subway Sect. 5, Route 102, under and along 8th Ave. from West 48th to 58th Sts., incl. spurs under private property from West 52nd to 54th Sts., to Heyman & Goodman Co., Inc., 236 West 116th St., $6,641,678. Noted Jan. 28.

Stadium—Newark, N. J.—Newark Baseball Club, 2 East 23rd St., New York City, 150 x 430 ft., crescent shaped oval, steel and concrete, etc., to T. J. Scully, foot Little St., Belleville, approximately $250,000.

Swimming Pool—Phila., Pa.—See Buildings—Commercial."

Underpass — Atlanta, Ga. — For 150 ft. underpass on Bell St. between Hunter and Decatur Sts., to Hadegon Constr. Co., Greenville, S. C. Engrs. est. $72,900.

Pier—Miami Beach, Fla.—Miami Beach Pier Corp., G. R. K. Carter, pres., 15 Ocean Dr., piling and 1st deck work complete for 600 ft. pier, incl. 1,000 kw. radio station, auditorium, 300 seating capacity, etc., to Frederick Snare Corp., 114 Liberty St., New York City, N. Y., $150,000. Noted Jan. 7.

Golf Course—Ft. Lauderdale, Fla.—City will construct golf course, incl. grading, excavating and clubhouse, by day labor. $250,000. J. B. Horne, city mgr.

Heating and Plumbing—Chicago, Ill.—See "Buildings—Commercial."

Street Signs—Peoria, Ill.—Synchronized traffic light system, incl. 4 "Stop and Go" signals at each of 13 loop intersections, to Central Illinois Light Co., 316 South Jefferson St., $35,000. Noted Nov. 26.

Repair Plants—Milwaukee, Wis.—Central Bd. Purchases, 6 road repair plants, to H. P. Andresen Co., 4450 Ravenswood Ave., Chicago, Ill., $3,500 each.

Transmission Line—Texas—Texas Central Power Co., c/o Frost Bldg., San Antonio, (Midwest Utilities Co., Chicago, Ill., owners) will build 75 mi. power transmission line from plant at Victoria to other towns, by day labor. $100,000. Address E. B. Neiswanger, vice-pres. at Victoria.

Gas Mains—Corpus Christi, Tex.—For 31,000 ft. 6 in. gas pipe from city limits to Saxet Wells, to W. L. Pearson & Co., 1st Natl. Bank Bldg., Houston, approximately $14,000.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., 112 North Bway., Oklahoma City, will build distribution system in Ravia, and 9 mi. transmission line between Ravia and Troy, by day labor. $25,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs.

Bulkheads — Los Angeles, Calif. — City Harbor Bd. will construct bulkheads at Berths 185-184, Catalina Island Terminal, by day labor. $30,500.

Materials

BIDS DESIRED

Granite Curb—Charlotte, N. C.—Feb. 16, by Bd. Comrs., City Hall, approximately 100,000 lin.ft. granite curb. E. Read, city clk.; adv. E. N.-R. Feb. 4.

Paving Brick, etc.—Cleveland, O.—Feb. 11, by City, four million 4 and 5 in. paving brick, 5,000 tons cold patch mix, 1,500 tons asphalt filler, asphalt cement and paving pitch.

Brick—Chicago, Ill.—See "Waterworks."

Road Oil—Marshfield, Wis.—Feb. 11, by J. A. Schindler, city clk., 5 or more car loads road oil 50% to 60% or 60% to 65% asphaltic content.

Road Oil—Watertown, Wis.—Feb. 10, by F. S. Weber, city clk., approximately 100,000 gal. road oil 40% to 50% or 50% to 60% asphaltic content. Noted Jan. 28.

Brick, Sewer Brick, Cement, etc. — St. Paul, Minn.—Feb. 9, by A. E. Eggert, city purch. agt., 1,200 sq.yd. 3 in. vertical fibre brick, two thousand 3.5 in. creosoted wood and 1,500 sq.yd. sandstone blocks, 1,380 bbl. Portland cement, 110,000 sewer brick, 2,050 lin.ft. vertical sewer pipe, and two thousand 24 in. and one thousand 18 in. square cement sidewalk tile, for Dept. Pub. Wks.; also 250 bbl. Portland cement for Dept. Educ.

Pipe, etc.—Spokane, Wash.—Feb. 11, by C. T. Bogart, purch. agt., 45,500 ft. ¾- to 2-in. galvanized pipe, valves, cocks, saddles, nipples, etc.

Asphalt, etc.—Ontario—Feb. 23, by S. L. Squire, deputy minister highways, Dept. Pub. Hys., Parliament Bldgs., Toronto, asphalt, tar, road oil, crushed stone, etc., for provincial highways. $200,000. R. M. Smith, 110 University Ave., Toronto, engr.

BIDS RECEIVED

Sand Grit, etc.—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Jan. 29, 5,000 cu.yd. sand grit, from Rossoff Sand & Gravel Corp., 152 West 42nd St., New York City, $11,250; 23,000 tons steam ashes, from E. B. Simpson, Inc., Hempstead Turnpike, Hollis, $31,520; 350,000 gal. macadam binder and 600,000 gal. road oil for cold application, from Standard Oil Co. of New York, 23 Bway., New York City, $23,884 and $37,560 respectively. Noted Jan. 28.

Sand Grit, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., Jan. 28, 3,000 cu.yd. sand grit, from Rosoff Sand & Gravel Co., 152 West 42nd St., and from Gallagher Shand, Inc., 420 East 105th St., $4,410 each; 4,000 cu.yd. course aggregate, from Calvin Tompkins Co., 30 Church St., $8,560; 600 tons asphaltic joint filler, from Standard Oil Co. of New York, 26 Bway., $12,936, 20,000 bags Portland cement, from P. Solomone, 1358 Brook Ave., $13,900; 3,000 cu.yd. concrete and paving sand, from Gallagher Shand Inc., 420 East 105th St., and from Hygrade Builders Supply Co., 6th St. and 2nd Ave., Brooklyn, $4,410 each; 50,000 five in. granite paving blocks, from J. Meehan, 90 West St., $6,725; 4,000 tons inorganic dust, from E. Meyer & Co., 25 Church St., $18,880; and iron castings to Corporation Yards, from Campbell Fdry. Co., 313 Manor Ave., Harrison, N. J., $2,824. Noted Jan. 21.

CONTRACTS AWARDED

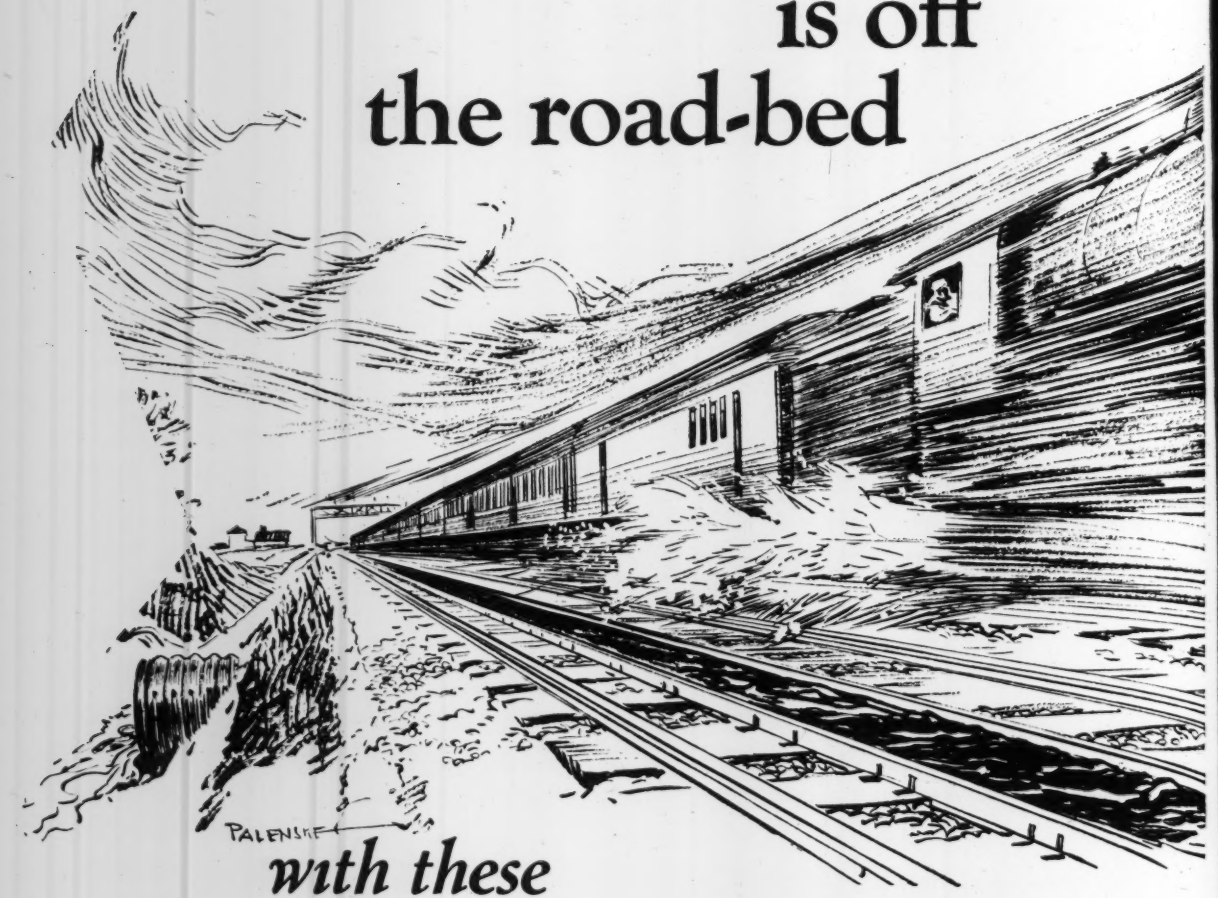
Lime—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 1,000 tons lime to various disposal plants, here, to Superior Lime Corp., 171 Morgan Ave., Brooklyn, $16,900. Noted Jan. 14.

Concrete Sand, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., 100 cu.yd. concrete and paving stone, also 4,000 cu.yd. 1½ in. waterbound, 2,000 cu.yd. broken and 3,000 cu.yd. ¾ in. stone, to United Sand & Gravel Corp., 425 West 218th St., $2,520 and $30,150 respectively; 7,000 cu.yd. binder stone, to Calvin Tompkins, 30 Church St., $13,860; 10,000 cu.yd. asphalt sand, to Z. Mahoney, 557 46th St., Brooklyn, $12,300; 20,000 cu.yd. steam boiler ashes, to Spedero Contg. Co., 3883 Taddington Ave., $19,600; long leaf yellow pine lumber, to H. H. McNeil Lumber Co., 603 East 62nd St., $4,462; 150 tons pitch joint filler, to F. J. Lewis Mfg. Co., Eastern Blvd. and East 177th St., $3,900; 800,000 gal. bituminous road material, to Texas Co., 17 Battery Pl., $53,600; 125,000 gal. tar for patching and 250,000 gal. bituminous road material, to Barrett Co., 40 Rector St., $20,250 and $27,250 respectively; 1,200 tons asphaltic cement, to Warner Quinlan Co., 79 Wall St., $25,476; 5,000 bags Portland cement, to P. Solomone, 1358 Brook Ave., $3,475; and 900 tons inorganic dust, to New York Trap Rock Co., 101 Park Ave., $4,356. Grand total $221,199. Noted Jan. 14.

See proposal advertisements on page 155, Advertising Section.

A matter of seconds—

is off the road-bed



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Tunnel drainage
Side hill storm drains
Track pan drainage
Water station and industrial trackage
or wherever seepage, springs or other causes demand sub-drains.

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This unusual action has been secured by unusual construction. Water can enter at every corrugation, the full length of the pipe (for the pipe is perforated in each valley two-thirds of the way around the circumference of the pipe).

Filling in above these pipe with ballast gives an open course for the water all along the pipe—not just at occasional joints. What is more, the joints of this pipe can be made tight; solid materials cannot enter at these points. Then the bottom third of the pipe is a solid iron wall. Fine materials cannot ooze up from below and block the flow of water.

The pipe can be installed without traffic inter-

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Assures a dry track for con-